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This One



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THE
SPHERICAL BASIS OF ASTROLOGY

BEING

A COMPREHENSIVE
TABLE OF HOUSES

FOR

LATITUDES 22° TO 60°

WITH

*RATIONAL VIEWS AND SUGGESTIONS, EXPLANATION AND INSTRUCTIONS
CORRECTION OF WRONG METHODS, AND AUXILIARY TABLES*

BY

JOSEPH G. DALTON

SEVENTH EDITION

Incorporating Tables for Latitudes to
60°, by the courtesy of the publishers
of Raphael's TABLES OF HOUSES

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IEWS AND SUGGESTIONS.

There appears to be a wide and increasing interest in regard to Astrology in this country, and perhaps there are some who wish to study it with as much exactness and thoroughness as the peculiar subject is capable of, in its principal branch the doctrine of nativities. If such are very few as yet, the spirit of this age, now inclining to submit the occult and elusive to scientific scrutiny, is likely to breed them ere long. The present writer has studied it, in quite a private way, from a rational point of view and with careful induction, for many years, taking its fundamental ideas as probable hypotheses and using a strict mathematical method according to the best works on spherical astronomy, with the intent particularly of testing with scientific caution what correspondence there is between "arcs of direction" and the events of a person's life, when the data are known to be correct. As geometrical laws shape everything, this is the part that can probably be made nearly an exact science. The rest of it—after rejecting the mouldy old nonsense and jargon, the figments and lies of the books—is mostly deductions from general and ambiguous symbols which yield little definite meaning to the intellect, though often read wonderfully by some persons who have the fine divining faculty; but this insight, however real in its way, is a raw poetry not science, and is unreliable, especially as to times of events. I have reached numerous confident conclusions on the subject by a long inquisitorial search. Some are negative ones, indeed, yet valuable; but many are drawn from positive proof of close accord between planetary movements and personal events, disclosing to view the main points and lines in the geometrical plan of life, though giving no clear picture of anything.

Astrology is far from being a baseless and refuted pretension, as the cyclopædias and scientists, with "orthodox mental strut," generally assert. They condemn it without a trial, without examination and experiment, confounding its essential truth with the error and folly that corrupt it. Genteel scholarship and formal intellects are naturally content to abide in ignorance and aversion concerning these ancient ideas of "spherical predominance," which the unsophisticated multitude treat with innate sympathy, and which many great poets and thinkers have entertained as easily credible

in a universe so full of wonders and mystery. Its coarser aspect is conspicuous in the salable books and almanacs of the elusory charlatans who commonly lurk concealed under the name of some angel or star to prey upon the credulous, and in whose hands it has made no progress for hundreds of years. They "hitch their wagon to a star," but remain in the mire and the mist. As practised for gain and gammon, Astrology is eternal truth in distress and demoralized, disgraced by its friends, despised by its foes, and thus ever in deserved ill-repute with sensible people. It was in the same dismal plight in Bacon's time, who said that it "is so full of superstition that scarce anything sound can be discovered in it, though we judge it should rather be purged than absolutely rejected." Bacon also looked for what he calls "*Astronomia viva*, a living astronomy, an astronomy that should set forth the nature, the motion, and the influences of the heavenly bodies, as they really are." Here is the hint of a wise ideal which, after three centuries, modern astronomy, in all its extreme excellence of material means, does not fulfil. It is a vast and complex growth of declared exact science, but all mechanical and soulless, empty of divine reason and human meaning. It has been wanting in the very precision which is its chief pride. That the tabular positions of planets were erroneous, and getting more and more wide of their observed places, was seldom mentioned except in official documents. In 1882 Prof. Newcomb said, "the increasing discordance between theory and observation is a field which greatly needs to be investigated." The showy astronomy was mainly devoted to solar gas and meteors and exact places of millions of the minutest stars. Since then the American astronomers have perfected new tables of the planets.

Astrology is a curious and seductive rather than a useful study; yet is a legitimate subject for research, with the attraction of general interest, but has its own perplexities and hindrances like any other scientific inquiry. It needs an invigorating infusion of modern thought, students of the right kind to give intellectual respectability to its aims and methods; minds with the true soulful elevation and openness, "not regarding of any one's mocks," and able to emulate the patient and

severe sagacity that has reached the admirable results of the established sciences. It requires no high mathematical ability, but such as will be enamoured of much dry ciphering if it lead to a real advance by gradual steps. For the sake of such students, to furnish them a new and ample instrument, and to diminish their

liability to error, this volume is issued. Drink deep, or taste not, the Uranian cup of mystical science; the empty froth and dubious flavor are mostly on the surface. Tarry not in the dim region of fallible conjecture, but proceed to mathematic certainties.

Ars vera est, sed pauci artifices reperiuntur.

EXPLANATIONS AND INSTRUCTIONS.

WITH USEFUL TABLES.

The twelve astrological Houses are formed by trisecting each of the four natural divisions of the heavens made by the meridian and horizon. It is as if the eastern horizon were tilted up to $\frac{1}{3}$ and to $\frac{2}{3}$ the distance, and then down in like manner. This makes six equal sections on the east of the meridian, the others being directly opposite. The celestial equator is equally divided by these into arcs of 30° each; the ecliptic on account of its obliquity is unequally divided, hence the present Table which gives for each latitude the intersecting points of the ecliptic with the eastern horizon and those other great circles, to each degree of ecliptic longitude on the meridian and its proper sidereal time. It is the only general one of the kind ever made. The original MS. covers from 10° to 60° of latitude, but the limits here, 22° to 56° , include the whole civilized globe. Hitherto all such tables have been for some one latitude, and they but rudely serve within narrow bounds. Its usefulness therefore is very obvious in making a diagram of the heavens at a given date and locality to get the mundane positions of planets and stars for astrological purposes or any questions that require such a figure. An immense amount of laborious calculation has been necessary, and systematic method and the utmost care was used to insure its correctness. The ascendant, or first house, was strictly computed to the nearest tenth of a minute at a sufficient number of points (according to the more or less uniform variation), and then interpolated downward and across the page by second, third and often fourth differences, insuring general accuracy to the nearest minute. The other and minor houses were similarly fixed at many points to the nearest hundredth of a degree, and interpolated for accuracy to the nearest tenth. More than a thousand operations in trigonometry, by seven or ten logarithms each, were performed, between which to fill in by the quicker but correct process of interpolation. The ecliptic obliquity used was $23^\circ 27' 15''$, its mean value in 1885. On account of the very slow decrease in this angle, I find that for dates at least sixty years before and after that year the Table will hardly err anywhere more than $1'$ on the horizon, and this mostly in the highest latitudes. It will serve still for a century more either way and be but a trifle wrong sometimes. The formula used in the computa-

tions was adapted from that for getting the longitude of "the nonagesimal," or ecliptic point 90° from the horizon, as given in the appendix to Bowditch's Navigator, Problem IV (old editions). It is substantially the same as that by which the ordinary tables are made for single latitudes; but I have examined many of these and find them erroneous in several ways,* and they betray a defective method in not showing the exact recurrence of the series of differences and the consequent agreements of one quadrant with another. That the simple mathematical facts of these conformities appear in the present Table is a means of *detecting any copying* from it, on pretence of original work, by that sort of persons who make the usual tables. These plainly show the incapacity of the computers, who do more than is needful, and worse than is endurable.

The astrological books are so erroneous and various in the rules for making a figure, that it is well to have here some instructions and cautions for getting the true sidereal time in any case, with which to use this Table. Hardly a single one of those books mentions the correction to be applied for distance in longitude from Greenwich! and most of them ignore also the correction of mean time to sidereal. Neglect of the first one makes an error of $47''$ at Boston and of $1^m 20''$ on the Pacific coast, which in arc equals $12'$ to $20'$, a difference of four months in directions to the "angles." To neglect the other correction may cause a further error of $57'$ —about a whole year. I give the usual table here for making these corrections, and the entire process is as follows:

To the Greenwich sidereal time at the previous mean noon add the correction for longitude of the place, taken from table A, and you have the sidereal time of the same noon at the given place. (East of Greenwich this correction is *minus*.) To this add the interval between that noon and the given time, and by the same table its correction. The sum is the sidereal time or right ascension of the midheaven for the given place and time.

It is to enable students to be accurate, when necessary, that these details of precision are given, as otherwise they must be gathered from several sources. Of course

* Some give the sidereal time to the nearest minute only, which is often an error of seven minutes of arc, to start with!

they can be omitted in making a rough figure for general consideration, and then the rule is: Gr. sid. t. at previous noon + time from same local noon = approx. sid. t. required. Add 2 or 3 minutes, and it will be nearer right on the average.

There is, however, of late a liability to fall into much larger errors. On Nov. 18, 1883, Standard Time was adopted in this country, and time-pieces no longer indicate mean solar time, though they measure it. Any given standard time must therefore first be corrected to mean time. Boston, for example, is in the Eastern Division, the central meridian of which is five hours west longitude, and the new time throughout that division is fixed at five hours earlier than Greenwich time. As Boston is east of the centre, with longitude or time-difference of $4^h 44^m 15^s$, its standard time is too slow by $15^m 45^s$. Therefore, add that amount to get the mean time. At New York it is too slow by $3^m 58^s$. Philadelphia is in the same division, but a little *west* of the centre, in longitude $5^h 0^m 36^s$; hence standard time there is 36^s too *fast*. So of any place in either of the five hourly divisions: the long.-diff. of cent. merid. and place = corr. to mean t., and is *plus* if the place be east, and *minus* if west, of the meridian. This correction must be made with care, as it amounts to about *half an hour* near the border of a division, and if applied wrongly may make an error of double that! Practically there are many exceptions and uncertainties in the use of our standard time, also liabilities to large error for such places as many in Maine, Ohio and Pennsylvania, where it was not fully adopted until several years after. In "The Pathfinder Railway Guide," of Boston, there *has been* much information as to its local use, with a map.*

Now with the sidereal time and the *geographic*, or the *geocentric*, latitude (as you may think proper), the Table is used like any table of double entry. Sid. T., with its equivalent arc,† to each degree on the meridian or 10th house, heads each main column. "H" below indicates the other houses, and on the side is the Latitude. Intermediate values are got generally by simple proportion between the two nearest ones, in doing which between columns it is easier to use the arc than the time. Time can be changed into arc by table C. To save needless repetition many figures and decimal points are omitted where they are readily seen above. On each left-hand page a column is duplicated from the previous page to escape the awkwardness of reckoning between columns so situated.

* As to the various systems of standard time in foreign countries information is not easy to obtain; the astrologians know little of it and say nothing, for they always prefer to evade difficulties.

† The calculations were made from the exact R. A. in arc, but it is here given to the nearest tenth of a minute as best for getting proportional parts in the Table.

There is hardly any obvious use in having the minor houses so closely calculated, but it might be needed for some purposes, and their columns would not look well if they differed too much in that respect from the ascendant.

These Explanations, etc., are now much amended, 1903.

The geographical latitude is certainly not to be used for primary directions, for all such calculations as are affected by the earth's rotation will be wrong except when the equinoctial points are near the horizon. For those purposes, therefore, the latitude must be corrected for the spheroidal shape of the earth by table B, to convert it into the *geocentric* latitude by "the angle of the vertical," as astronomers do in computing eclipses, for which fact see the same chapter in Bowditch, before re-

TABLE A. CORRECTION OF MEAN TO SIDEREAL TIME.										TABLE B. CORRECTION OF LATITUDE. Always minus.			
Mean time.	Cor- rection. +	Mean time.	Cor- rection. +	Mean time.	Cor- rection. +	Mean time.	Cor- rection. +	Mean time.	Cor- rection. +	Lat.	Cor- rection.	Lat.	Cor- rection.
h. m. s.		h. m. s.		h. m. s.		h. m. s.		h. m. s.		° ' "	" "	° ' "	" "
1 0 9.86		1 0.16		31 5.09		1 .00		31 .09		22 8 8		41 11 37	
2 0 19.71		2 0.33		32 5.26		2 .00		32 .09		23 8 25		42 11 40	
3 0 29.57		3 0.49		33 5.42		3 .01		33 .09		24 8 42		43 11 42	
4 0 39.43		4 0.66		34 5.58		4 .01		34 .09		25 8 58		44 11 43	
5 0 49.28		5 0.82		35 5.75		5 .01		35 .10		26 9 14		45 11 44	
6 0 59.14		6 0.99		36 5.91		6 .02		36 .10		27 9 29		46 11 44	
7 1 9.00		7 1.15		37 6.08		7 .02		37 .10		28 9 43		47 11 43	
8 1 18.85		8 1.31		38 6.24		8 .02		38 .10		29 9 56		48 11 40	
9 1 28.71		9 1.48		39 6.41		9 .02		39 .11		30 10 9		49 11 38	
10 1 38.57		10 1.64		40 6.57		10 .03		40 .11		31 10 21		50 11 34	
11 1 48.42		11 1.81		41 6.73		11 .03		41 .11		32 10 32		51 11 29	
12 1 58.28		12 1.97		42 6.90		12 .03		42 .11		33 10 42		52 11 24	
13 2 8.13		13 2.14		43 7.06		13 .04		43 .12		34 10 53		53 11 17	
14 2 17.99		14 2.30		44 7.23		14 .04		44 .12		35 11 1		54 11 10	
15 2 27.85		15 2.46		45 7.39		15 .04		45 .12		36 11 9		55 11 2	
16 2 37.70		16 2.63		46 7.56		16 .04		46 .13		37 11 16		56 10 54	
17 2 47.56		17 2.79		47 7.72		17 .05		47 .13		38 11 23		57 10 44	
18 2 57.42		18 2.96		48 7.88		18 .05		48 .13		39 11 28		58 10 34	
19 3 7.27		19 3.12		49 8.05		19 .05		49 .13		40 11 33		59 10 23	
20 3 17.13		20 3.28		50 8.21		20 .05		50 .14		41 11 37		60 10 11	
21 3 26.99		21 3.45		51 8.38		21 .06		51 .14		N. B. This table is newly calculated from the latest determination of the ellipticity, E, by the formula, $\tan \text{geoc. Lat.} = (1-E) \tan \text{Lat.}$ $\text{Log. of } (1-E) \text{ is } 9.9970351.$			
22 3 36.84		22 3.61		52 8.54		22 .06		52 .14					
23 3 46.70		23 3.78		53 8.71		23 .06		53 .15					
		24 3.94		54 8.87		24 .07		54 .15					
		25 4.11		55 9.03		25 .07		55 .15					
		26 4.27		56 9.20		26 .07		56 .15					
		27 4.43		57 9.36		27 .07		57 .16					
		28 4.60		58 9.53		28 .08		58 .16					
		29 4.76		59 9.69		29 .08		59 .16					
		30 4.93		60 9.86		30 .08		60 .16					

The sum of correct's will be taken to nearest second.

ferred to, and the reductions of latitude in the British and the American Ephemeris with the list of observatories. This correction often alters very much all semi-arcs, especially in high latitudes; hence a main cause of the monstrous errors constantly made by those who attempt to calculate primary directions is their use of the geographic latitude.

The matter of the "poles" of the minor houses is unsound in the astrological books, and their tables of them are wrong. It should be understood, therefore, that those houses in the present Table are calculated by a strictly correct method, which for some parts in high latitudes gives results that differ, sometimes more than half a degree, from those got by using the common table of poles. I found it necessary to examine the whole question thoroughly. These poles are angles analogous to the pole of a place, its latitude, and while

the ascendant is obtained directly from that, the other houses can be had precisely only by a trial-and-error process from a mean or approximate pole to begin with, because the poles are factors in the operation that depend upon the very thing sought for. Now the usual table of poles is not made for an average case, but for the extreme one, that is when $\alpha 0$ or $\nu 0$ is on the cusp — the blunder of some one about a century ago, and has been blindly copied ever since. The errors therein are large for high latitudes. The proper average poles are a mean between those of $\varphi 0$ on the cusp of a house, and those when $\alpha 0$ is there. I find that a near average is had when $\delta 22$, or any point of same declination, is on the cusps. The table D below is made accordingly. The formula for 11th and 3d houses is $\tan \text{ pole} = \frac{\sin \frac{1}{2} \text{ asc. diff.}}{\tan \text{ decl.}}$. For the 12th and 2d, $\frac{1}{2}$ is put instead of $\frac{1}{4}$. Ecliptic obliquity is taken at $23^\circ 27' 15''$, but its variation for many years has little effect. This table will give in all cases nearly true results* directly by the usual formula, especially if account be made of 2d differences between the tabular latitudes.

TABLE C. TO CONVERT SIDEREAL TIME INTO R. A. IN ARC.						TABLE D. APPROXIMATE POLES.			
Time	Arc.	Time	Arc.	Time	Arc.	Lat.	11th and 3d H.	12th and 2d H.	
H.	•	M.	•	M.	•	•	•	•	
1	15	1	0 15	31	7 45	10	3 21.9	6 42.4	
2	30	2	0 30	32	8 0	13	4 24.3	8 45.3	
3	45	3	0 45	33	8 15	16	5 28.0	10 49.8	
4	60	4	1 0	34	8 30	19	6 33.5	12 56.5	
5	75	5	1 15	35	8 45	22	7 41.4	15 5.9	
6	90	6	1 30	36	9 0	25	8 52.0	17 18.3	
7	105	7	1 45	37	9 15	28	10 5.8	19 34.2	
8	120	8	2 0	38	9 30	31	11 23.5	21 54.1	
9	135	9	2 15	39	9 45	34	12 45.8	24 18.7	
10	150	10	2 30	40	10 0	37	14 13.7	26 48.6	
11	165	11	2 45	41	10 15	40	15 48.1	29 24.1	
12	180	12	3 0	42	10 30	42	16 55.1	31 11.3	
13	195	13	3 15	43	10 45	44	18 6.3	33 1.7	
14	210	14	3 30	44	11 0	46	19 22.1	34 55.5	
15	225	15	3 45	45	11 15	48	20 42.8	36 52.8	
16	240	16	4 0	46	11 30	50	22 9.0	38 53.6	
17	255	17	4 15	47	11 45	51	22 54.6	39 55.5	
18	270	18	4 30	48	12 0	52	23 41.9	40 58.6	
19	285	19	4 45	49	12 15	53	24 31.2	42 2.8	
20	300	20	5 0	50	12 30	54	25 22.6	43 8.1	
21	315	21	5 15	51	12 45	55	26 16.1	44 14.5	
22	330	22	5 30	52	13 0	56	27 12.0	45 22.1	
23	345	23	5 45	53	13 15	57	28 10.5	46 31.0	
24	360	24	6 0	54	13 30	58	29 11.8	47 41.2	
		25	6 15	55	13 45	59	30 16.3	48 52.7	
		26	6 30	56	14 0	60	31 24.1	50 5.7	
This table is merely to multiply by 15, as the unit of time are that larger than those of arc.						This table is only for use in making figures without a table of houses, or to form such a one.			
		27	6 45	57	14 15				
		28	7 0	58	14 30				
		29	7 15	59	14 45				
		30	7 30	60	15 0				

* The test of exactness in such point is, that $\frac{1}{4}$ (or $\frac{1}{2}$) its semi-arc should equal its meridian distance by right ascension.

OF FIGURES FOR SOUTH LATITUDE.

Though the Table, as it stands, is for North latitudes only, it is equally and easily available for Southern ones, as follows: Obtain the R. A. and longitude of the mid-heaven as usual; then, instead of getting the other houses from same page, add 180° , and in *that* part of the Table, with the latitude, find the values for those houses, but *substitute the opposite signs* for the ones found there.*

Make the figure with ascendant on the left as usual. To reverse it, though correct in idea, causes endless confusion to one accustomed to the common position. Only bear in mind that the equator and zodiacal ring above the earth are now behind you, to the North. In calculations from a Southern figure the only change is that the plus-or-minus rule for ascensional difference is reversed.

If the geographical latitude be proper for figures, then the English tables of houses are tolerably correct except some inaccuracies in making, and by taking ecliptic obliquity at $23^\circ 28'$, its amount more than a century ago. But the whole system of primary direction has been confused and falsified owing to ignorance of that essential factor, the Geocentric latitude. These pages rectify all that and provide means for correct figures at any point in two wide belts around the world, at any date for about two centuries before or after our assumed Obliquity of 1885.

Of course there can be no really scientific and thorough treatment of nativities unless the factors for all operations are complete and correct. The present work is "well calculated" to facilitate that; and our "Sixteen Principal Stars" repairs many glaring omissions in all writers on the subject.

The working of nativities has always been utterly chaotic, and is worse than ever now that they falsely equate arcs by that vain scheme of *a degree for a year*. It can never be otherwise without the full astronomical basis and a right mathematical method, in place of the scant system and excessive error of the sordid Sidrophels who debase the real astrology by their confusions and deceit, and whose spurious teaching is the worst obstacle to the development of what exact science in it is possible. *O curvæ animæ, et mathesis inanis.*

* This very necessary problem is left out of all the old books, and recent writers have mostly ignored or befogged it.

(See Postscript, p. 67.)

COMPREHENSIVE TABLE OF HOUSES

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

2		UPPER MERIDIAN, CUSP OF 10th H.																																	
H. M. S. SID. T. 0 0 0 } γ ARC 0° 0' 0 } 0°						H. M. S. 0 3 40 } γ 1° 0° 55' 0 } 1°						H. M. S. 0 7 20 } γ 2° 1° 50' 1 } 2°						H. M. S. 0 11 1 } γ 3° 2° 45' 2 } 3°						H. M. S. 0 14 41 } γ 4° 3° 40' 2 } 4°						H. M. S. 0 18 21 } γ 5° 4° 35' 3 } 5°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	8	11	25	32	39	8	11	25	32	39	8	11	25	32	39	8	11	25	32	39	8	11	25	32	39	8	11	25	32	39					
22	4.0	7.9	9 8	3.2	29.4	5.0	8.8	9 57	4.0	0.3	6.0	9.7	10 46	4.8	1.3	7.0	10.6	11 35	5.7	2.2	8.0	11.5	12 24	6.5	3.1	9.0	12.4	13 13	7.3	4.1					
23	1	8.2	9 35	4	5	1	9.1	10 24	2	4	1	10.0	11 13	5.1	4	1	9 12	2	9	3	1	8 12	51	7	2	1	7 13	40	6	1					
24	2	6 10	3	7	6	2	5 10	52	5	5	2	4 11	41	3	4	2	11.3	12 29	6.2	3	2	12.2	13 18	7.0	3	2	13.1	14 7	8	2					
25	3	9 10	31	9	7	3	8 11	20	8	6	3	7 12	8	6	5	3	6 12	57	4	4	3	5 13	45	2	4	3	4 14	34	8.1	3					
26	4	9.2	10 59	4.2	29.8	4	10.1	11 48	5.0	0.7	4	11.0	12 36	8	6	4	9 13	25	7	5	4	8 14	13	5	3.4	4	7 15	1	3	4.3					
27	4.5	6 11	27	5	8	5.5	5 12	16	3	7	6.5	4 13	5	6.1	1.7	7.5	12.3	13 53	9	2.6	8.5	13.2	14 41	7	5	9.5	14.1	15 29	6	4					
28	6	9 11	56	7	9	6	8 12	45	6	8	7	7 13	34	4	7	7	6 14	22	7.2	7	7	5 15	10	8.0	6	7	4 15	57	8	5					
29	7	10.2	12 26	5.0	30	7	11.1	13 15	8	9	8	12.1	14 3	6	8	8	13.0	14 51	5	7	8	9 15	38	3	7	8	8 16	26	9.1	6					
30	8	6 12	56	3	0.1	8	5 13	44	6.1	1.0	9	4 14	32	9	9	9	3 15	20	7	8	9	14.2	16 7	5	3.7	9	15.1	16 55	3	4.7					
31	4.9	11.0	13 26	6	2	6.0	9 14	15	4	1	7.0	8 15	2	7.2	2.0	8.0	7 15	50	8.0	9	9.0	6 16	37	8	8	10.0	5 17	25	6	7					
32	5.0	3 13	57	8	3	1	12.2	14 45	7	2	2	13.2	15 33	5	1	2	14.1	16 20	3	3.0	2	15.0	17 7	9.1	9	2	9 17	54	9	8					
33	2	7 14	29	6.1	4	2	6 15	17	9	3	3	6 16	4	8	2	3	5 16	51	5	1	3	4 17	38	3	4.0	3	16.3	18 25	10.1	9					
34	3	12.1	15 1	4	5	4	13.0	15 49	7.2	4	4	14.0	16 36	8.0	3	5	9 17	22	8	2	5	8 18	9	6	1	5	7 18	56	4	5.0					
35	4	5 15	34	7	0.6	6.5	4 16	21	5	1.5	7.6	4 17	8	3	4	8.6	15.3	17 54	9.1	3	9.6	16.2	18 41	9	2	6	17.1	19 27	7	1					
36	5.6	13.0	16 8	7.0	7	7	9 16	54	8	6	7	9 17	41	6	2.5	8	8 18	27	4	4	8	7 19	13	10.2	3	8	6 19	59	11.0	2					
37	7	4 16	42	3	8	8	14.3	17 28	8.1	7	9	15.3	18 14	9	6	9	16.2	19 0	7	3.5	9	17.1	19 46	5	4.4	11.0	18.0	20 32	3	2					
38	9	9 17	16	7	9	7.0	8 18	2	4	8	8.1	8 18	48	9.2	7	9.1	7 19	34	10.0	6	10.1	6 20	20	8	4	1	5 21	5	6	5.3					
39	6.1	14.4	17 52	8.0	1.0	1	15.3	18 37	7	9	2	16.3	19 23	5	8	3	17.2	20 8	3	7	3	18.1	20 54	11.0	5	3	19.0	21 39	8	4					
40	3	9 18	28	3	1	3	8 19	13	9.0	2.0	4	8 19	59	9	9	4	7 20	44	6	8	5	6 21	29	3	6	5	5 22	14	12.1	5					
41	4	15.4	19 5	7	2	4	16.3	19 50	3	1	6	17.3	20 35	10.2	3.0	6	18.2	21 20	11.0	9	7	19.1	22 4	6	4.7	7	20.0	22 49	4	6					
42	6	9 19	43	9.0	4	6	9 20	28	7	2	8	8 21	12	5	1	8	7 21	56	3	4.0	9	6 22	41	12.0	8	9	5 23	25	7	5.7					
43	8	16.5	20 22	3	5	8	17.4	21 6	10.0	4	9	18.4	21 50	9	2	10.0	19.3	22 34	6	1	11.1	20.2	23 18	3	9	12.1	21.1	24 2	13.1	8					
44	7.0	17.1	21 1	6	1.6	8.0	18.0	21 45	4	5	9.1	19.0	22 29	11.2	3	1	9 23	13	12.0	2	3	8 23	56	7	5.0	4	7 24	40	4	9					
45	2	7 21	42	10.0	7	2	6 22	26	8	2.6	3	6 23	9	5	3.4	3	20.5	23 52	3	3	4	21.4	24 35	13.0	1	6	22.3	25 19	8	6.0					
46	5	18.3	22 24	4	8	4	19.3	23 7	11.1	7	5	20.3	23 50	8	5	5	21.1	24 33	6	4.4	6	22.0	25 16	4	2	8	9 25	58	14.1	1					
47	7	19.0	23 7	8	9	6	9 23	50	5	8	7	9 24	32	12.2	6	7	8 25	15	9	5	8	7 25	57	7	3	13.0	23.6	26 39	4	2					
48	9	7 23	51	11.2	2.1	8	20.6	24 33	9	9	9	21.6	25 15	6	7	9	22.5	25 57	13.3	6	12.0	23.4	26 39	14.1	4	2	24.3	27 20	8	3					
49	8.1	20.4	24 36	6	2	9.1	21.3	25 18	12.3	3.0	10.2	22.3	25 59	13.0	9	11.2	23.2	26 41	7	7	3	24.0	27 22	5	5.6	5	9 28	3	15.2	4					
50	3	21.2	25 22	12.0	3	4	22.1	26 4	7	2	5	23.0	26 45	4	4.0	5	9 27	26	14.1	9	6	7 28	6	9	7	7 25.6	28 47	6	6.5						
51	6	22.0	26 10	4	4	6	9 26	51	13.1	4	8	8 27	31	8	2	8	24.7	28 12	5	5.0	9	25.5	28 52	15.3	8	14.0	26.4	29 32	16.0	6					
52	9	9 26	59	8	6	9	23.7	27 40	5	5	11.1	24.6	28 20	14.2	3	12.1	25.5	28 59	9	1	13.2	26.3	29 39	7	9	3	27.2	0 19	4	7					
53	9.2	23.8	27 50	13.3	8	10.2	24.6	28 30	14.0	3.6	4	25.5	29 9	7	4	4	26.4	29 48	15.4	2	5	27.2	0 27	16.1	6.1	6	28.1	1 7	8	8					
54	5	24.8	28 43	8	3.0	6	25.6	29 22	5	7	7	26.5	0 0	15.2	5	8	27.4	0 39	9	4	9	28.2	1 17	5	2	15.0	29.1	1 56	17.2	7.0					
55	8	25.8	29 37	14.3	1	9	26.7	0 15	15.0	9	12.0	27.5	0 53	7	7	13.2	28.4	1 31	16.4	6	14.3	29.3	2 9	17.0	4	4	0.1	2 47	7	2					
56	10.1	27.0	0 32	8	3	11.3	27.8	1 10	5	4.1	4	28.6	1 47	16.2	8	6	29.5	2 25	9	7	6	0.4	3 2	5	5	8	1.2	3 39	18.2	3					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												3							
H. M. S. SID. T. 0 22 2 } γ ARC 5° 30' 4 } 6°						H. M. S. 0 25 42 } γ 7° 6° 25' 6 } γ 7°						H. M. S. 0 29 23 } γ 8° 7° 20' 8 } γ 8°						H. M. S. 0 33 4 } γ 9° 8° 16' 0 } γ 9°						H. M. S. 0 36 45 } γ 10° 9° 11' 3 } γ 10°						H. M. S. 0 40 27 } γ 11° 10° 6' 6 } γ 11°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	8	II	25	Q	17	8	II	25	Q	17	8	II	25	Q	17	8	II	25	Q	17	8	II	25	Q	17	8	II	25	Q	17					
22	10.0	13.3	14 2	8.2	5.0	10.9	14.2	14 51	9.0	5.9	11.9	15.1	15 40	9.9	6.8	12.9	16.0	16 29	10.7	7.8	13.9	16.9	17 18	11.6	8.7	14.8	17.7	18 7	12.4	9.6					
23	1	6 14	29	4	1	11.1	5 15	17	3	6.0	12.0	4 16	6 10	1.1	9	13.0	3 16	55	9	8	14.0	17.2	17 44	8	8	15.0	18.1	18 32	6	7					
24	2	14.0	14 55	7	1	2	8 15	44	5	0	2	8 16	32	3	7.0	1	6 17	21	11.2	9	1	5 18	10	12.0	8	1	4 18	58	8	8					
25	3	3 15	22	9	2	3	15.2	16 11	7	1	3	16.1	16 59	6	0	2	17.0	17 47	4	8.0	2	8 18	36	2	9	2	7 19	24	13.1	8					
26	4	6 15	50	9.1	3	4	5 16	38	10.0	2	4	4 17	26	8	1	4	3 18	14	6	0	3	18.2	19 2	4	9	3	19.1	19 50	3	9					
27	10.5	15.0	16 17	4	5.3	11.5	9 17	5	2	3	12.5	8 17	54	11.0	2	13.5	6 18	41	9	1	14.5	5 19	29	7	9.0	15.5	4 20	17	5	9					
28	7	3 16	45	6	4	7	16.2	17 33	5	6.3	7	17.1	18 21	3	2	6	18.0	19 9	12.1	1	6	9 19	57	9	1	6	8 20	44	8	10.0					
29	8	7 17	14	9	5	8	6 18	1	7	4	8	5 18	49	5	7.3	8	3 19	37	3	2	7	19.2	20 24	13.2	1	7	20.1	21 12	14.0	1					
30	9	16.0	17 43	10.2	6	9	9 18	30	11.0	5	9	8 19	17	8	4	9	7 20	5	6	8.3	9	6 20	52	4	2	9	5 21	39	2	1					
31	11.1	4 18	12	4	5.6	12.1	17.3	18 59	2	5	13.0	18.2	19 46	12.0	5	14.0	19.1	20 33	8	4	15.0	9 21	20	7	3	16.0	8 22	7	5	2					
32	2	8 18	41	7	7	2	7 19	29	5	6.6	2	5 20	16	3	5	2	4 21	3	13.1	4	2	20.3	21 49	9	9.3	2	21.2	22 36	7	2					
33	3	17.2	19 12	11.0	8	4	18.1	19 59	8	7	3	9 20	45	6	6	3	8 21	32	4	5	3	7 22	18	14.2	4	3	6 23	5	15.0	10.3					
34	5	6 19	42	2	9	5	5 20	29	12.0	8	5	19.3	21 15	8	7.7	5	20.2	22 2	6	6	5	21.1	22 48	4	5	5	22.0	23 34	2	4					
35	7	18.0	20 14	5	6.0	7	9 21	0	3	9	7	8 21	46	13.1	7	7	6 22	32	9	8.6	7	5 23	18	7	5	7	4 24	4	5	4					
36	8	5 20	45	8	0	8	19.3	21 31	6	7.0	8	20.2	22 17	4	8	8	21.1	23 3	14.2	7	8	22.0	23 49	15.0	6	8	8 24	35	8	5					
37	12.0	9 21	18	12.1	1	13.0	8 22	3	9	1	14.0	7 22	49	7	9	15.0	5 23	34	4	8	16.0	4 24	20	2	9.7	17.0	23.3	25 5	16.0	6					
38	2	19.4	21 51	4	2	2	20.3	22 36	13.1	2	2	21.1	23 21	9	8.0	2	22.0	24 7	6	9	2	9 24	52	5	8	2	7 25	37	2	10.6					
39	3	9 22	24	6	6.3	4	7 23	9	4	3	4	6 23	54	14.2	1	4	5 24	39	9	9	4	23.4	25 24	7	8	4	24.2	26 9	5	7					
40	5	20.4	22 58	9	4	5	21.2	23 43	7	7.4	6	22.1	24 28	5	1	6	23.0	25 13	15.2	9.0	6	9 25	57	16.0	9	6	8 26	42	8	8					
41	7	9 23	33	13.2	5	7	8 24	18	14.1	4	8	6 25	2	8	2	8	5 25	47	5	1	8	24.4	26 31	3	10.0	8	25.3	27 15	17.1	9					
42	9	21.4	24 9	5	6	14.0	22.3	24 53	4	5	15.0	23.2	25 37	15.1	8.3	16.0	24.1	26 21	8	2	17.0	9 27	5	6	1	18.0	8 27	49	4	9					
43	13.2	22.0	24 46	8	6.7	2	9 25	30	7	5	2	7 26	13	4	4	2	6 26	57	16.1	3	2	25.5	27 40	9	1	3	26.4	28 24	7	11.0					
44	4	6 25	23	14.1	8	4	23.5	26 7	15.0	7.6	4	24.3	26 50	7	5	5	25.2	27 33	5	9.4	5	26.1	28 16	17.2	2	5	9 28	59	18.0	1					
45	6	23.2	26 2	5	9	6	24.1	26 44	3	7	6	9 27	27	16.0	6	7	8 28	10	8	4	7	7 28	53	5	10.3	7	27.5	29 36	3	2					
46	8	8 26	41	8	7.0	8	7 27	23	6	8	8	25.5	28 6	3	8.7	9	26.4	28 48	17.1	5	9	27.3	29 30	8	4	9	28.1	0 13	6	3					
47	14.0	24.5	27 21	15.1	1	15.0	25.3	28 3	16.0	9	16.1	26.2	28 45	6	8	17.1	27.1	29 27	4	6	18.2	9 0	9	18.1	5	19.1	8 0	51	19.0	11.3					
48	3	25.1	28 2	5	2	2	26.0	28 44	4	8.0	4	8 29	25	17.0	9	4	7 0	7	7	9.7	5	28.6	0 48	5	6	4	29.4	1 30	3	4					
49	5	8 28	45	9	3	5	7 29	26	7	1	6	27.5	0 7	4	9.0	7	28.4	0 48	18.1	8	7	29.2	1 29	8	10.7	7	0.1	2 9	7	5					
50	8	26.5	29 28	16.3	4	8	27.4	0 9	17.1	2	9	28.2	0 49	8	1	18.0	29.1	1 30	5	9	19.0	9 2	10	19.2	8	20.0	8 2	50	20.0	6					
51	15.1	27.3	0 13	7	7.5	16.1	28.2	0 53	5	3	17.2	29.0	1 33	18.2	2	3	9 2	12	9	10.0	3	0.7	2 52	6	9	3	1.5	3 32	3	11.7					
52	4	28.1	0 58	17.1	6	4	29.0	1 38	9	8.4	5	8 2	18	6	3	6	0.7	2 57	19.3	1	6	1.5	3 36	20.0	11.0	7	2.3	4 15	7	8					
53	7	29.0	1 46	5	7	8	8 2	25	18.3	5	9	0.7	3 4	19.0	9.4	9	1.5	3 42	7	2	20.0	2.3	4 21	4	1	21.1	3.2	5 0	21.1	9					
54	16.1	9 2	34	9	8	17.2	0.8	3 13	7	6	18.3	1.6	3 51	4	5	19.3	2.4	4 29	20.1	3	4	3.2	5 7	8	2	5	4.1	5 45	5	12.0					
55	5	0.9	3 24	18.4	8.0	6	1.8	4 2	19.1	8	7	2.6	4 40	8	6	7	3.4	5 17	5	4	8	4.2	5 55	21.2	3	9	5.1	6 32	9	1					
56	9	2.0	4 16	9	1	18.0	2.9	4 53	6	9	19.1	3.7	5 30	20.2	7	20.2	4.5	6 7	9	5	21.3	5.2	6 44	6	4	22.4	6.1	7 21	22.3	2					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

4																									UPPER MERIDIAN, CUSP OF 10th H.																								
H. M. S. SID. T. 0 40 27 } γ ARC 10° 6'.8 } 11°					H. M. S. 0 44 8 } γ 12° 11° 2'.0 }					H. M. S. 0 47 50 } γ 13° 11° 57'.5 }					H. M. S. 0 51 32 } γ 14° 12° 53'.0 }					H. M. S. 0 55 14 } γ 15° 13° 48'.6 }					H. M. S. 0 58 57 } γ 16° 14° 44'.3 }																								
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																			
Lat.	γ	π	σ	ρ	μ	γ	π	σ	ρ	μ	γ	π	σ	ρ	μ	γ	π	σ	ρ	μ	γ	π	σ	ρ	μ	γ	π	σ	ρ	μ																			
22	14.8	17.7	18 7	12.4	9.6	15.8	18.6	18 55	13.3	10.6	16.8	19.5	19 44	14.1	11.5	17.7	20.4	20 33	15.0	12.4	18.7	21.2	21 22	15.8	13.4	19.7	22.1	22 10	16.7	14.3																			
23	15.0	18.1	18 32	6	7	9	9 19	21	5	6	9	8 20	9	3	6	9	7 20	58	2	5	8	6 21	47	16.0	4	8	4 22	35	9	4																			
24	1	4	18 58	8	8	16.1	19.3	19 46	7	7	17.0	20.2	20 35	5	6	18.0	21.0	21 23	4	5	19.0	9 22	12	2	5	9	8 23	0	17.1	4																			
25	2	7	19 24	13.1	8	2	6 20	12	9	7	2	5 21	1	8	7	1	4 21	49	6	6	1	22.2	22 37	4	5	20.0	23.1	23 25	3	5																			
26	3	19.1	19 50	3	9	3	9 20	38	14.1	10.8	3	8 21	27	15.0	7	2	7 22	15	8	6	2	6 23	3	6	13.6	2	4 23	51	5	5																			
27	15.5	4	20 17	5	9	4	20.3	21 5	4	8	4	21.2	21 53	2	11.8	4	22.0	22 41	16.0	12.7	4	9 23	29	9	6	3	8 24	17	7	14.6																			
28	6	8	20 44	8	10.0	16.6	6 21	32	6	9	17.6	5 22	20	4	8	18.5	4 23	7	3	7	19.5	23.3	23 55	17.1	7	5 24	1	24 43	9	6																			
29	7	20.1	21 12	14.0	1	7	21.0	21 59	8	11.0	7	9 22	46	7	9	7	7 23	34	5	8	6	6 24	21	3	7	20.6	5 25	9	18.1	6																			
30	9	5	21 39	2	1	9	4 22	26	15.1	0	8	22.2	23 14	9	9	8	23.1	24 1	7	9	8	24.0	24 48	5	13.8	8	8 25	35	4	7																			
31	16.0	8	22 7	5	2	17.0	7 22	54	3	1	18.0	6 23	41	16.1	12.0	19.0	5 24	28	9	9	20.0	3 25	15	8	8	9 25	2	26 2	6	7																			
32	2	21.2	22 36	7	2	2	22.1	23 23	6	1	1	23.0	24 9	4	1	1	8 24	56	17.2	13.0	1	7 25	43	18.0	9	21.1	6 26	30	8	14.8																			
33	3	6	23 5	15.0	10.3	3	5 23	51	8	2	3	3 24	38	6	1	3	24.2	25 24	4	0	3	25.1	26 11	2	9	3 26	0	26 57	19.0	8																			
34	5	22.0	23 34	2	4	5	9 24	21	16.1	11.3	5	7 25	7	9	2	5	6 25	53	7	1	5	5 26	39	5	14.0	4	4 27	25	3	9																			
35	7	4	24 4	5	4	6	23.3	24 50	3	3	6	24.2	25 36	17.1	2	6	25.0	26 22	9	1	6	9 27	8	7	0	6	8 27	54	5	9																			
36	8	8	24 35	8	5	8	7 25	20	6	4	8	6 26	6	4	12.3	8	5 26	52	18.2	2	8	26.3	27 37	19.0	1	8 27	2	28 23	8	15.0																			
37	17.0	23.3	25 5	16.0	6	18.0	24.2	25 51	8	5	19.0	25.0	26 36	6	4	20.0	9 27	22	4	13.3	21.0	8 28	7	2	1	22.0	6 28	53	20.0	0																			
38	2	7	25 37	2	10.6	2	6 26	22	17.1	5	2	5 27	7	9	4	2	26.4	27 52	7	3	2	27.2	28 37	5	14.2	2 28	1	29 23	2	1																			
39	4	24.2	26 9	5	7	4	25.1	26 54	4	11.6	4	26.0	27 39	18.2	5	4	9 28	23	9	4	4	7 29	8	7	3	4	6 29	53	4	2																			
40	6	8	26 42	8	8	6	6 27	26	6	7	6	5 28	11	4	6	6	27.4	28 55	19.2	4	6	28.2	29 39	20.0	3	6 29	1	0 24	7	15.2																			
41	8	25.3	27 15	17.1	9	8	26.1	27 59	9	7	8	27.0	28 43	7	12.6	8	9 29	27	5	5	8	7 0	11	3	4	8	6	0 55	21.0	3																			
42	18.0	8	27 49	4	9	19.0	7 28	33	18.2	8	20.0	5 29	17	19.0	7	21.0	28.4	0 0	8	13.6	22.0	29.2	0 44	5	14.4	23.0	0.1	1 28	2	3																			
43	3	26.4	28 24	7	11.0	3	27.2	29 7	5	9	3	28.1	29 51	3	8	3	9 0	34	20.0	6	3	8 1	17	8	5	3	6 2	1	5	4																			
44	5	9	28 59	18.0	1	5	8 29	42	8	12.0	5	7 0	25	6	8	5	29.5	1 8	3	7	5	0.3	1 51	21.1	6	5	1.2	2 34	8	15.5																			
45	7	27.5	29 36	3	2	7	28.4	0 18	19.1	1	7	29.3	1 1	8	9	7	0.1	1 43	6	8	8	9 2	26	4	7	8	8 3	8 22.1	5																				
46	9	28.1	0 13	6	3	9	29.0	0 55	4	2	9	9 1	37	20.1	13.0	9	7 2	19	9	9	23.0	1.5	3 1	7	14.7	24.0	2.4	3 44	4	6																			
47	19.1	8	0 51	19.0	11.3	20.2	6 1	32	7	2	21.2	0.5	2 14	4	0	22.2	1.3	2 56	21.2	14.0	3	2.1	3 38	22.0	8	3	3.0	4 19	7	7																			
48	4	29.4	1 30	3	4	5	0.3	2 11	20.0	12.3	5	1.1	2 52	7	1	5	2.0	3 34	5	0	6	8 4	15	3	9	6	6 4	56	23.0	15.8																			
49	7	0.1	2 9	7	5	8	9 2	50	3	4	8	8 3	31	21.0	2	8	6 4	12	8	1	9	3.5	4 53	6	9	9	4.3	5 33	3	8																			
50	20.0	8	2 50	20.0	6	21.1	1.6	3 31	7	5	22.1	2.5	4 11	4	3	23.1	3.3	4 51	22.2	2	24.2	4.1	5 32	9	15.0	25.2	5.0	6 12	6	9																			
51	3	1.5	3 32	3	11.7	4	2.4	4 12	21.0	5	4	3.2	4 52	7	13.4	5	4.1	5 32	5	3	6	8 6	11	23.2	1	6	7 6	51	9	9																			
52	7	2.3	4 15	7	8	8	3.2	4 55	4	12.6	8	4.0	5 34	22.1	4	9	9 6	13	9	14.3	9	5.6	6 52	6	1	26.0	6.5	7 32	24.3	16.0																			
53	21.1	3.2	5 0	21.1	9	22.2	4.1	5 38	8	7	23.2	9 6	17	5	5	24.3	5.7	6 56	23.2	4	25.3	6.4	7 34	9	2	4	7.3	8 13	6	1																			
54	5	4.1	5 45	5	12.0	6	5.0	6 23	22.2	8	6	5.8	7 2	9	6	7	6.6	7 40	6	5	7	7.3	8 18	24.3	15.3	8	8.1	8 56	25.0	2																			
55	9	5.1	6 32	9	1	23.0	5.9	7 10	6	9	24.0	6.7	7 47	23.3	7	25.1	7.5	8 25	24.0	6	26.1	8.2	9 2	7	4	27.2	9.0	9 40	4	2																			
56	22.4	6.1	7 21	22.3	2	5	6.9	7 57	23.0	13.0	5	7.7	8 34	7	8	6	8.5	9 11	4	7	6	9.2	9 48	25.1	5	7	10.0	10 25	8	3																			

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									5						
H. M. S. SID. T. 1 2 40 } γ ARC 15° 40'.0 } 17°						H. M. S. 1 6 28 } γ 18° 16° 35'.9 } 18°					H. M. S. 1 10 7 } γ 19° 17° 31'.8 } 19°					H. M. S. 1 13 51 } γ 20° 18° 27'.8 } 20°					H. M. S. 1 17 36 } γ 21° 19° 24'.0 } 21°					H. M. S. 1 21 21 } γ 22° 20° 20'.2 } 22°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	
Lat.	8	II	25	Q	17	8	II	25	Q	17	8	II	25	Q	17	8	II	25	Q	17	8	II	25	Q	17	8	II	25	Q	17	
22	20.6	23.0	22 59	17.5	15.3	21.6	23.8	23 49	18.4	16.2	22.5	24.7	24 38	19.3	17.2	23.5	25.6	25 27	20.1	18.1	24.4	26.4	26 16	21.0	19.1	25.4	27.3	27 5	21.9	20.1	
23	7	3 23	24	7	3	7 24.2	24 13	6	3	7 25.0	25 2	5	2	6	9 25 51	3	2	6	8 26 40	2	1	5	6 27 29	22.1	1						
24	9	6 23	49	9	4	8 5 24 38	8	3	8	4 25 26	7	3	7 26.2	26 15	5	2	7 27.1	27 4	4	2	7	9 27 53	3	1							
25	21.0	24.0	24 14	18.1	4	22.0	8 25 2	19.0	3	9	7 25 51	9	3	9	5 26 39	7	2	8	4 27 28	6	2	8	28.3	28 17	5	2					
26	1	3 24	39	3	4	1 25.2	25 27	2	4	23.1	26.0	26 16	20.1	3	24.0	9 27 4	9	3	25.0	7 27 52	8	2	26.0	6 28 41	7	2					
27	3	6 25	5	6	15.5	2	5 25 53	4	16.4	2	4 26 41	3	17.4	2	27.2	27 29	21.1	18.3	1	28.1	28 17	22.0	19.3	1	9 29 5	8	20.2				
28	4	25.0	25 30	8	5	4	8 26 18	6	5	4	7 27 6	5	4	3	6 27 54	3	3	3	4 28 42	2	3	3	29.3	29 30	23.0	2					
29	21.6	3 25	56	19.0	6	22.5	26.2	26 44	8	5	5 27.1	27 32	7	4	5	9 28 19	5	4	5	8 29 7	4	3	4	6 29 55	2	3					
30	7	7 26	23	2	6	7	6 27 10	20.1	6	7	4 27 57	9	5	6	28.3	28 45	7	4	6	29.1	29 32	6	4	26.6	Q	0 20	4	3			
31	9	26.1	26 49	4	7	9	9 27 36	3	16.6	8	8 28 24	21.1	5	8	6 29 11	9	18.4	8	5 29 58	8	4	7	0.4	0 45	6	3					
32	22.1	4 27	16	6	15.7	23.0	27.3	28 3	5	6	24.0	28.1	28 50	3	17.6	25.0	29.0	29 37	22.1	5	26.0	9 0 24	23.0	19.4	9	7	1 11	8	20.4		
33	2	8 27	44	9	8	2	7 28 30	7	7	2	5 29 17	6	6	2	4 0 4	4	5	1	0.2	0 50	2	5	27.1	1.1	1 37	24.0	4				
34	4	27.2	28 12	20.1	8	4	28.1	28 58	9	7	3	9 29 44	8	7	4	8 0 31	6	6	3	6	1 17	4	5	3	5 2 4	2	4				
35	6	6 28	40	4	9	6	5 29 26	21.2	16.8	5	29.3	0 12	22.0	7	5	0.2	0 58	8	18.6	5	1.0	1 44	6	5	5	9 2 30	4	5			
36	8	28.0	29 9	6	9	8	9 29 54	4	8	7	7 0 40	2	7	7	6 1 26	23.0	6	7	5	2 12	8	6	7	2.4	2 58	6	5				
37	23.0	5 29	38	8	16.0	24.0	29.3	Q	0 23	6	9	9 0.2	1 9	4	17.8	9	1.0	1 54	2	7	9	9 2 40	24.0	19.6	9	8	3 25	8	20.5		
38	2	9 0	7 21.0	0	2	8	0 53	8	9	25.1	6 1 38	6	8	26.1	5 2 23	4	7	27.1	2.4	3 8	2	7	28.1	3.2	3 53	25.0	6				
39	4	29.4	0 38	2	1	4	0.3	1 22	22.0	17.0	3	1.1	2 7	8	9	3	2.0	2 52	6	18.8	3	8	3 37	4	7	3	7 4 22	2	6		
40	6	9 1	8	5	1	6	8 1 53	3	0	6	6 2 37	23.1	9	5	5 3 22	9	8	5	3.3	4 6	7	7	5	4.2	4 51	5	6				
41	8	0.4	1 40	7	2	8	1.3	2 24	5	1	8	2.1	3 8	3	18.0	8	3.0	3 52	24.1	9	7	8	4 36	9	19.8	7	6	5 20	7	20.7	
42	24.0	9 2 11	22.0	16.2	25.0	8	2 55	8	1	26.0	6 3 39	6	0	27.0	5 4 22	4	9	28.0	4.3	5 7 25.2	8	9	5.1	5 50	26.0	7					
43	3	1.5	2 44	3	3	3	2.3	3 27	23.1	2	2	3.2	4 11	9	1	2	4.0	4 54	6	19.0	2	9	5 38	4	9	29.2	7	6 21	2	7	
44	5	2.0	3 17	6	4	5	9 4 0	3	17.2	5	7 4 43	24.1	1	5	6 5 26	9	0	5	5.4	6 9	7	9	4	6.2	6 52	5	8				
45	7	6 3	51	9	4	7	3.5	4 33	6	3	7 4.3	5 16	4	2	7	5.1	5 58	25.2	1	7	6.0	6 41	9	20.0	6	8	7 24	7	20.8		
46	25.0	3.2	4 26	23.2	16.5	26.0	4.1	5 8	9	4	27.0	9 5 50	7	18.2	9	7	6 32	5	1	9	5 7 14	26.2	0	9	7.3	7 56	27.0	8			
47	3	8 5	1	5	6	3	7 5 43	24.2	4	3	5.5	6 24	9	3	28.2	6.3	7 6	7	2	29.2	7.1	7 48	4	1	Q	0.2	9 8 29	3	9		
48	6	4.4	5 37	8	6	6	5.3	6 18	5	17.5	6	6.1	7 0 25.2	3	5	9	7 41	26.0	19.2	5	7	8 22	7	1	5	8.5	9 3	5	9		
49	9	5.1	6 14	24.1	7	9	9 6 55	8	5	9	7 7 36	5	4	8	7.6	8 16	3	3	8	8.3	8 57	27.0	1	8	9.2	9 38	8	21.0			
50	26.2	8 6	52	4	16.7	27.2	6.6	7 32	25.1	6	28.2	7.4	8 13	8	4	29.2	8.2	8 53	6	3	Q	0.2	9.0	9 33	3	20.2	1.2	8 10 14	28.1	0	
51	6	6.5	7 31	7	8	6	7.3	8 11	4	7	6	8.1	8 51	26.1	18.5	6	9	9 30	9	4	6	7 10 10	6	2	6	10.5	10 50	4	1		
52	27.0	7.3	8 11	25.0	8	28.0	8.1	8 50	7	17.7	29.0	9 9 29	4	5	II	9.6	10 8 27.2	19.4	1.0	10.4	10 48	9	3	2.0	11.2	11 27	7	1			
53	4	8.1	8 52	3	9	4	9 9 31	26.1	8	4	9.7	10 9	8	6	0.4	10.4	10 48	5	5	4	11.2	11 27	28.2	3	4	12.0	12 6	29.0	21.2		
54	8	9 9	34	7	17.0	8	9.7	10 12	4	8	8	10.5	10 50	27.1	7	8	11.2	11 28	8	5	8	12.0	12 6	5	20.4	9	8	12 45	3	3	
55	28.2	9.8	10 17	26.1	1	29.3	10.6	10 55	8	9	Q	0.3	11.4	11 32	5	8	1.3	12.1	12 10	28.2	6	2.3	9	12 47	9	4	3.4	13.7	13 25	6	3
56	7	10.7	11 2	5	1	8	11.5	11 39	27.2	9	8	12.3	12 15	9	9	8	13.0	12 53	6	7	8	13.8	13 29	29.3	5	9	14.6	14 6	17	4	

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

6 UPPER MERIDIAN, CUSP OF 10th H.																																			
H. M. S. SID. T. 1 21 21 } γ 22° ARC 20° 20' 2						H. M. S. 1 25 6 } γ 23° 21° 16' 6						H. M. S. 1 28 52 } γ 24° 22° 13'						H. M. S. 1 32 38 } γ 25° 23° 9' 6						H. M. S. 1 36 25 } γ 26° 24° 6' 3						H. M. S. 1 40 12 } γ 27° 25° 3' 2					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	8	II	☿	♈	♉	8	II	☿	♈	♉	8	II	☿	♈	♉	8	II	☿	♈	♉	8	II	☿	♈	♉	8	II	☿	♈	♉					
22	25.4	27.3	27 5	21.9	20.1	26.3	28.2	27 55	22.8	21.0	27.3	29.0	28 45	23.7	22.0	28.2	29.9	29 34	24.5	23.0	29.1	0.8	0 24	25.4	24.0	0.1	1.6	1 14	26.3	24.9					
23	5	6 27	29	22.1	1	5	5 28	18	9	1	4	4 29	8	8	0	3	0.2	29 57	7	0	3	1.1	0 46	6	0	2	9	1 36	5	9					
24	7	9 27	53	3	1	6	8 28	42	23.1	1	5	7 29	31	24.0	1	5	5 0	20	9	0	4	4	1 9	8	0	4	2.3	1 59	7	25.0					
25	8	28.3	28 17	5	2	8	29.1	29 6	3	1	7	☿	29 54	2	1	6	9	0 43	25.1	1	6	7	1 32	9	0	5	6	2 22	8	0					
26	26.0	6 28	41	7	2	9	5 29	30	5	1	8	0.3	0 18	4	1	8	1.2	1 7	3	1	7	2.1	1 56	26.1	0	7	9	2 45	27.0	0					
27	1	9 29	5	8	20.2	27.1	8 29	54	7	21.2	28.0	7	0 42	6	22.1	29.0	5	1 31	4	23.1	9	4	2 19	3	24.0	9	3.2	3 8	2	0					
28	3	29.3	29 30	23.0	2	2	☿	0 18	9	2	1	1.0	1 6	7	1	1	9	1 54	6	1	II	0.1	7	2 43	5	1	1.0	6	3 31	4	0				
29	4	6 29	55	2	3	4	5	0 43	24.1	2	3	4	1 31	9	2	3	2.2	2 19	8	1	2	3.1	3 7	7	1	2	9	3 55	5	25.0					
30	26.6	☿	0 20	4	3	5	9	1 8	3	3	5	7	1 55	25.1	2	4	6	2 43	26.0	2	4	4	3 31	8	1	4	4.3	4 19	7	1					
31	7	0.4	0 45	6	3	7	1.2	1 33	5	3	7	2.1	2 20	3	2	6	9	3 8	2	2	6	8	3 55	27.0	1	5	7	4 43	9	1					
32	9	7	1 11	8	20.4	9	6	1 58	7	21.3	8	4	2 45	5	22.2	8	3.3	3 32	4	23.2	8	4.2	4 20	2	24.1	7	5.0	5 7	28.1	1					
33	27.1	1.1	1 37	24.0	4	28.1	2.0	2 24	9	3	29.0	8	3 11	7	3	II	7	3 58	6	2	1.0	5	4 45	4	2	9	4	5 32	2	1					
34	3	5	2 4	2	4	2	4	2 50	25.1	4	2	3.2	3 37	9	3	0.2	4.1	4 23	7	2	1	9	5 10	6	2	2.1	8	5 57	4	25.1					
35	5	9	2 30	4	5	4	8	3 17	3	4	4	6	4 3	26.1	3	4	5	4 49	9	3	3	5.3	5 36	8	2	3	6.2	6 22	6	1					
36	7	2.4	2 58	6	5	6	3.2	3 43	5	4	6	4.0	4 30	3	3	6	9	5 16	27.1	3	5	7	6 2	28.0	2	5	6	6 48	8	2					
37	9	8	3 25	8	20.5	8	6	4 11	6	21.5	8	4	4 57	5	22.4	8	5.3	5 42	3	23.3	7	6.1	6 28	2	24.2	7	7.0	7 14	29.0	2					
38	28.1	3.2	3 53	25.0	6	29.0	4.1	4 38	8	5	II	9	5 24	7	4	1.0	7	6 9	6	3	9	6	6 55	4	3	9	4	7 40	2	2					
39	3	7	4 22	2	6	2	5	5 7	26.0	5	0.2	5.4	5 52	9	4	2	6.2	6 37	8	4	2.1	7.1	7 22	6	3	3.1	9	8 7	4	25.2					
40	5	4.2	4 51	5	6	5	5.0	5 35	3	6	4	8	6 20	27.1	5	4	7	7 5	28.0	4	4	5	7 49	8	3	3	8.4	8 34	6	2					
41	7	6	5 20	7	20.7	7	5	6 5	5	6	7	6.3	6 49	3	5	6	7.1	7 33	2	4	6	8.0	8 18	29.0	3	6	8	9 2	8	3					
42	9	5.1	5 50	26.0	7	9	6.0	6 34	8	21.6	9	8	7 18	5	22.5	9	6	8 2	4	23.4	8	5	8 46	2	24.4	8	9.3	9 30	☿	3					
43	29.2	7	6 21	2	7	0.2	5	7 4	27.0	7	1.1	7.4	7 48	8	6	2.1	8.1	8 32	7	5	3.1	9.0	9 15	4	4	4.1	8	9 59	0.2	3					
44	4	6.2	6 52	5	8	4	7.0	7 35	3	7	4	9	8 18	28.0	6	4	7	9 2	9	5	4	5	9 45	6	4	3	10.4	10 28	4	25.3					
45	6	8	7 24	7	20.8	6	6	8 6	5	7	6	8.5	8 49	3	6	7	9.2	9 32	29.1	5	7	10.1	10 15	8	4	6	9	10 58	6	3					
46	9	7.3	7 56	27.0	8	9	8.1	8 38	7	8	9	9.0	9 21	5	7	9	8	10 3	3	5	9	7	10 46	☿	0.1	5	9	11.5	11 28	8	4				
47	II	0.2	9	8 29	3	9	1.2	7 9 11	9	21.8	2.2	6	9 53	7	22.7	3.2	10.4	10 35	5	23.6	4.2	11.2	11 17	3	24.5	5.2	12.0	11 59	1.0	4					
48	5	8.5	9 3	5	9	5	9.3	9 45	28.2	8	5	10.2	10 26	29.0	7	5	11.0	11 8	7	6	5	8	11 49	6	5	5	6	12 31	3	25.4					
49	8	9.2	9 38	8	21.0	8	10.0	10 19	5	9	8	8	11 0	3	8	9	6	11 41	☿	6	9	12.4	12 22	9	5	8	13.2	13 3	5	4					
50	1.2	8	10 14	28.1	0	2.2	6	10 54	8	9	3.2	11.4	11 35	6	8	4.2	12.2	12 15	0.3	6	5.2	13.0	12 56	1.1	5	6.2	8	13 36	8	4					
51	6	10.5	10 50	4	1	6	11.3	11 30	29.1	9	6	12.1	12 10	9	22.8	6	9	12 50	6	7	6	7	13 30	4	6	6	14.5	14 10	2.1	5					
52	2.0	11.2	11 27	7	1	3.0	12.0	12 7	4	22.0	4.0	8	12 46	☿	0.2	9	5.0	13.6	13 26	9	23.7	6.0	14.4	14 5	6	24.6	7.0	15.2	14 45	3	25.5				
53	4	12.0	12 6	29.0	21.2	4	8	12 44	7	0	4	13.6	13 23	5	9	4	14.4	14 2	1.2	7	4	15.1	14 41	9	6	4	9	15 20	6	5					
54	9	8	12 45	3	3	9	13.6	13 23	☿	1	9	14.4	14 1	8	23.0	9	15.2	14 40	5	8	9	9	15 18	2.2	7	9	16.7	15 57	9	5					
55	3.4	13.7	13 25	6	3	4.4	14.5	14 3	0.3	1	5.4	15.2	14 40	1.1	0	6.4	16.0	15 17	8	8	7.4	16.7	15 56	5	7	8.4	17.5	16 34	3.2	5					
56	9	14.6	14 6	☿	4	9	15.4	14 43	7	2	9	16.1	15 21	4	1	9	9	15 58	2.1	9	8.0	17.5	16 35	8	7	9.0	18.4	17 13	5	6					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												7							
H. M. S. SID. T. 1 44 0 } γ ARC 26° 0'.1 } 28°						H. M. S. 1 47 49 } γ 29° 26° 57'.2 } 29°						H. M. S. 1 51 38 } γ 0° 27° 54'.5 } 0°						H. M. S. 1 55 27 } γ 1° 28° 51'.9 } 1°						H. M. S. 1 59 18 } γ 2° 29° 49'.4 } 2°						H. M. S. 2 3 8 } γ 3° 30° 47'.1 } 3°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI					
22	1.0	2.5	2 4	27.2	25.9	1.9	3.4	2 54	28.1	26.9	2.9	4.2	3 44	29.0	27.9	3.8	5.1	4 35	0.0	28.9	4.8	6.0	5 25	0.9	29.8	5.7	6.8	6 16	1.8	0.8					
23	2	8	2 26	4	9	2.1	7	3 16	3	9	3.0	5	4 6	2	9	4.0	4	4 56	1	9	9	3	5 47	1.0	8	8	7.1	6 37	9	8					
24	3	3.1	2 48	5	9	2	4.0	3 38	5	9	2	9	4 28	4	9	1	7	5 18	3	9	5.1	6	6 8	2	8	6.0	5	6 58	2.1	8					
25	5	5	3 11	7	9	4	3	4 0	6	9	3	5.2	4 50	5	9	3	6.0	5 40	4	9	2	9	6 30	3	8	2	8	7 20	2	8					
26	7	8	3 34	9	26.0	6	7	4 23	8	9	5	5	5 12	7	27.9	4	4	6 2	0.6	9	4	7.2	6 51	5	8	3	8.1	7 41	3	8					
27	8	4.1	3 56	28.1	0	7	5.0	4 45	9	9	6	8	5 35	8	9	4.6	7	6 24	7	28.9	5	6	7 13	1.6	29.8	6.5	4	8 3	5	0.8					
28	2.0	5	4 20	2	0	9	3	5 8	29.1	27.0	8	6.2	5 57	7	9	8	7.0	6 46	9	9	7	9	7 35	7	8	6	8	8 25	2.6	8					
29	1	8	4 43	4	0	3.0	7	5 31	3	0	4.0	5	6 20	0.1	9	9	4	7 9	1.0	9	9	8.2	7 58	9	8	8	9.1	8 47	8	8					
30	3	5.2	5 7	6	0	2	6.0	5 55	4	0	2	9	6 43	3	27.9	5.1	7	7 32	2	9	6.1	6	8 20	2.0	8	7.0	5	9 9	9	8					
31	5	5	5 31	7	26.0	4	4	6 18	6	0	3	7.2	7 6	5	9	3	8.1	7 55	3	9	2	9	8 43	2	8	2	8	9 31	3.1	8					
32	7	9	5 55	9	0	6	7	6 42	8	0	5	6	7 30	6	9	5	4	8 18	5	28.9	4	9.3	9 6	4	29.8	4	10.2	9 54	2	0.8					
33	9	6.2	6 19	29.1	1	8	7.1	7 6	9	27.0	7	8.0	7 54	8	28.0	7	8	8 41	6	9	6	7	9 29	5	8	6	5	10 17	4	8					
34	3.1	6	6 44	3	1	4.0	5	7 31	0.1	0	9	3	8 18	1.0	0	9	9.2	9 5	8	9	8	10.0	9 52	7	8	8	9	10 40	5	8					
35	3	7.0	7 9	5	1	2	9	7 55	3	0	5.1	7	8 42	1	0	6.1	6	9 29	2.0	9	7.0	4	10 16	8	8	8.0	11.3	11 3	7	8					
36	5	4	7 34	7	26.1	4	8.3	8 20	5	0	3	9.1	9 7	3	0	3	10.0	9 54	2	9	2	8	10 40	3.0	8	2	7	11 27	9	8					
37	7	8	8 0	9	1	6	7	8 46	6	0	5	5	9 32	4	0	5	4	10 18	3	28.9	4	11.2	11 4	2	29.8	4	12.1	11 51	4.0	0.8					
38	9	8.3	8 26	7	1	8	9.1	9 12	8	27.1	7	10.0	9 57	6	28.0	7	8	10 43	5	9	6	7	11 29	4	8	6	5	12 15	1	8					
39	4.1	7	8 52	0.2	1	5.0	6	9 38	1.0	1	6.0	4	10 23	8	0	9	11.3	11 9	7	9	9	12.1	11 54	5	8	8	9	12 40	3	8					
40	3	9.2	9 19	4	2	2	10.0	10 4	2	1	2	9	10 49	2.0	0	7.1	7	11 34	9	9	8.1	5	12 20	7	8	9.0	13.3	13 5	5	8					
41	5	7	9 47	6	26.2	5	4	10 31	4	1	4	11.3	11 16	2	0	4	12.2	12 1	3.1	9	4	13.0	12 46	9	8	3	7	13 31	7	8					
42	8	10.2	10 14	8	2	7	9	10 59	6	1	7	8	11 43	4	0	7	7	12 27	2	28.9	6	5	13 12	4.1	29.8	6	14.2	13 57	8	0.8					
43	5.0	7	10 43	1.0	2	6.0	11.4	11 26	8	27.1	7.0	12.3	12 10	6	28.0	9	13.2	12 55	4	9	9	14.0	13 39	3	8	9	7	14 23	5.0	8					
44	3	11.2	11 12	2	2	3	9	11 55	2.0	1	3	9	12 38	8	0	8.2	7	13 22	6	9	9.2	5	14 6	4	8	10.1	15.2	14 50	2	8					
45	5	7	11 41	4	2	5	12.5	12 24	2	1	5	13.4	13 7	3.0	0	5	14.2	13 50	8	9	4	15.0	14 33	6	8	4	7	15 17	4	8					
46	8	12.3	12 11	6	26.2	8	13.0	12 53	4	1	8	9	13 36	2	0	8	7	14 19	4.0	9	7	5	15 2	8	8	7	16.3	15 45	6	8					
47	6.1	9	12 41	8	3	7.1	6	13 23	7	2	8.1	14.5	14 6	4	0	9.1	15.3	14 48	3	28.9	10.0	16.1	15 30	5.0	29.8	11.0	9	16 13	8	0.7					
48	4	13.4	13 12	2.0	3	4	14.2	13 54	9	27.2	4	15.1	14 36	6	28.0	4	9	15 18	5	9	3	7	16 0	2	8	3	17.5	16 42	6.0	7					
49	7	14.0	13 44	3	3	7	8	14 26	3.2	2	8	6	15 7	8	0	7	16.4	15 48	7	9	6	17.2	16 30	4	8	6	18.0	17 11	2	7					
50	7.1	6	14 17	6	3	8.1	15.4	14 58	4	2	9.1	16.2	15 39	4.1	0	10.1	17.0	16 19	9	9	11.0	8	17 0	6	8	12.0	6	17 41	4	7					
51	5	15.3	14 50	8	26.3	5	16.1	15 31	6	2	5	8	16 11	3	1	5	7	16 51	5.1	29.0	4	18.5	17 32	8	8	4	19.2	18 12	6	7					
52	9	16.0	15 25	3.0	4	9	8	16 4	8	27.2	9	17.5	16 44	5	28.1	9	18.4	17 24	3	0	8	19.2	18 4	6.0	29.8	8	9	18 44	8	0.7					
53	8.3	7	16 0	3	4	9.3	17.5	16 39	4.0	2	10.3	18.2	17 18	7	1	11.3	19.1	17 57	6	0	12.3	9	18 37	2	8	13.2	20.6	19 16	7.0	7					
54	8	17.5	16 35	6	4	8	18.2	17 14	3	2	8	19.0	17 52	5.0	1	8	8	18 31	8	0	8	20.6	19 10	5	8	7	21.3	19 49	2	7					
55	9.3	18.3	17 12	9	4	10.3	19.0	17 50	6	2	11.3	8	18 28	3	1	12.3	20.5	19 6	6.1	0	13.3	21.3	19 45	8	8	14.2	22.1	20 23	5	7					
56	9	19.1	17 50	4.2	5	9	8	18 27	9	3	9	20.6	19 5	6	2	9	21.3	19 42	4	0	9	22.1	20 20	7.0	8	8	9	20 58	7	7					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

10																														UPPER MERIDIAN, CUSP OF 10th H.																													
H. M. S. SID. T. 2 46 9 } 8 ARC 41° 32'.3 } 14°										H. M. S. 2 50 8 } 8 15° 42° 32'.0 }										H. M. S. 2 54 7 } 8 16° 43° 31'.8 }										H. M. S. 2 58 7 } 8 17° 44° 31'.9 }										H. M. S. 3 2 8 } 8 18° 45° 32'.1 }										H. M. S. 3 6 10 } 8 19° 46° 32'.5 }									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																								
Lat.	II	☿	♊	♋	♌	II	☿	♊	♋	♌	II	☿	♊	♋	♌	II	☿	♊	♋	♌	II	☿	♊	♋	♌	II	☿	♊	♋	♌	II	☿	♊	♋	♌																								
22	16.0	16.5	15 47	12.1	11.8	16.9	17.4	16 40	13.0	12.8	17.9	18.3	17 33	14.0	13.8	18.8	19.2	18 27	14.9	14.9	19.7	20.1	19 20	15.9	15.9	20.7	21.0	20 14	16.9	16.9																													
23	2	8	16 5	1	8	17.1	7	16 57	1	8	18.0	6	17 51	1	8	19.0	5	18 44	15.0	8	9	4	19 37	16.0	8	8	3	20 31	9	8																													
24	3	17.1	16 23	2	7	2	18.0	17 15	2	8	2	9	18 8	1	8	1	8	19 1	1	8	20.1	7	19 54	0	8	21.0	6	20 48	17.0	8																													
25	5	4	16 41	3	7	4	3	17 33	3	7	3	19.2	18 26	2	7	3	20.1	19 18	2	7	2	21.0	20 11	1	7	2	9	21 4	1	7																													
26	6	7	16 59	4	7	6	6	17 51	13.4	7	5	5	18 43	14.3	7	4	4	19 35	3	7	4	3	20 28	2	7	3	22.2	21 21	1	7																													
27	8	18.0	17 18	12.5	11.6	7	9	18 9	4	12.6	7	8	19 1	4	13.6	6	7	19 53	15.3	14.6	6	6	20 45	3	15.6	5	5	21 38	2	16.6																													
28	17.0	4	17 36	6	6	9	19.2	18 27	5	6	9	20.1	19 19	5	6	8	21.0	20 10	4	6	7	9	21 2	16.3	6	7	8	21 55	17.3	6																													
29	2	7	17 55	7	6	18.1	6	18 46	6	6	19.0	4	19 37	6	5	20.0	3	20 28	5	5	9	22.2	21 20	4	5	9	23.1	22 12	4	5																													
30	3	19.0	18 13	8	5	3	9	19 4	13.7	5	2	8	19 55	14.7	5	2	6	20 46	6	5	21.1	5	21 37	5	5	22.0	4	22 29	4	5																													
31	5	3	18 32	9	5	5	20.2	19 23	8	12.5	4	21.1	20 13	7	13.5	3	22.0	21 4	15.7	4	3	8	21 55	6	4	2	7	22 46	5	4																													
32	7	7	18 52	13.0	11.4	7	5	19 41	9	4	6	4	20 32	8	4	5	3	21 22	7	14.4	5	23.2	22 12	16.7	15.4	4	24.1	23 3	6	16.4																													
33	9	20.0	19 11	1	4	9	9	20 0	14.0	4	8	7	20 50	9	4	7	6	21 40	8	3	7	5	22 30	7	3	6	4	23 21	17.7	3																													
34	18.1	3	19 30	2	4	19.1	21.2	20 20	1	4	20.0	22.1	21 9	15.0	3	9	23.0	21 59	9	3	9	8	22 48	8	3	8	7	23 38	7	3																													
35	3	7	19 50	3	3	3	6	20 39	2	12.3	2	5	21 28	1	13.3	21.1	3	22 17	16.0	2	22.1	24.2	23 7	9	2	23.0	25.1	23 56	8	2																													
36	5	21.1	20 10	4	3	5	22.0	20 59	3	3	4	8	21 47	2	2	3	7	22 36	1	2	3	5	23 25	17.0	15.2	2	4	24 14	9	16.1																													
37	8	5	20 30	13.5	11.2	7	3	21 18	4	2	6	23.2	22 7	3	2	5	24.0	22 55	2	14.1	5	9	23 44	1	1	4	8	24 32	18.0	1																													
38	19.0	9	20 51	6	2	9	7	21 38	14.5	2	8	6	22 26	4	1	8	3	23 14	3	1	7	25.3	24 3	2	1	6	26.2	24 51	1	0																													
39	2	22.3	21 12	8	2	20.1	23.1	21 59	6	12.1	21.1	24.0	22 46	15.5	13.1	22.0	7	23 34	4	0	9	7	24 22	3	0	9	5	25 10	1	0																													
40	5	7	21 33	9	1	4	4	22 20	7	1	3	4	23 7	6	0	2	25.1	23 54	16.5	0	23.2	26.1	24 41	17.3	14.9	24.1	9	25 29	2	15.9																													
41	7	23.1	21 54	14.0	11.1	6	8	22 40	9	0	6	8	23 27	7	0	5	5	24 14	6	13.9	4	5	25 1	4	9	4	27.3	25 48	18.3	8																													
42	20.0	5	22 15	1	0	9	24.3	23 1	15.0	0	8	25.2	23 48	8	0	8	9	24 34	7	9	7	9	25 21	5	8	6	7	26 7	4	8																													
43	2	9	22 37	2	0	21.2	7	23 23	1	11.9	22.1	6	24 9	9	12.9	23.0	26.3	24 54	8	8	24.0	27.3	25 41	6	8	9	28.1	26 27	5	7																													
44	5	24.4	22 59	3	0	5	25.2	23 44	2	9	4	26.1	24 30	16.0	9	3	8	25 15	9	8	2	7	26 1	17.7	14.7	25.2	6	26 47	6	7																													
45	8	9	23 22	4	10.9	8	7	24 6	3	9	7	5	24 51	1	8	6	27.2	25 37	17.0	7	5	28.2	26 22	7	7	5	29.0	27 7	18.7	15.6																													
46	21.1	25.3	23 45	14.5	9	22.1	26.1	24 29	15.4	8	23.0	27.0	25 13	2	8	9	7	25 58	1	13.7	8	6	26 43	8	6	8	4	27 28	8	6																													
47	4	8	24 8	6	8	4	6	24 52	5	8	3	5	25 36	3	7	24.2	28.2	26 21	1	6	25.2	29.1	27 5	9	6	26.1	8	27 49	9	5																													
48	8	26.2	24 32	8	8	7	27.0	25 15	6	11.7	6	9	25 59	4	12.7	6	7	26 42	2	6	5	5	27 26	18.0	14.5	5	0.3	28 10	9	5																													
49	22.1	7	24 56	9	10.7	23.1	5	25 39	7	7	24.0	28.4	26 22	16.5	6	9	29.2	27 5	3	5	8	♊	27 49	1	5	9	8	28 32	19.0	4																													
50	5	27.3	25 21	15.1	7	4	28.1	26 3	9	6	4	9	26 46	7	6	25.3	7	27 28	17.5	5	26.2	0.5	28 11	3	4	27.2	1.3	28 54	1	15.4																													
51	9	9	25 46	2	6	8	7	26 28	16.0	6	7	29.4	27 10	8	5	7	0.2	27 52	6	13.4	6	1.0	28 34	4	3	6	8	29 17	2	3																													
52	23.3	28.5	26 12	3	6	24.2	29.3	26 53	1	11.5	25.1	♊	27 35	9	12.5	26.1	8	28 16	7	3	27.0	6	28 58	18.5	14.2	28.0	2.3	29 40	3	2																													
53	7	29.1	26 38	4	10.5	6	9	27 19	2	5	6	0.6	28 0	17.0	4	5	4	28 41	8	3	4	2.2	29 22	6	2	4	9	0 3	19.4	1																													
54	24.2	♊	27 5	6	5	25.1	0.5	27 45	16.3	4	26.1	1.2	28 26	1	3	27.0	2.0	29 6	9	2	9	8	29 47	7	1	9	3.5	0 28	5	0																													
55	7	0.3	27 33	8	4	6	1.1	28 12	5	3	6	9	28 52	3	2	5	6	29 32	18.1	1	28.4	3.4	0 12	9	0	29.4	4.1	0 52	6	14.9																													
56	25.3	1.0	28 1	16.0	4	26.2	8	28 40	7	3	27.1	2.6	29 19	4	1	28.0	3.3	29 58	3	0	29.0	4.0	0 38	19.0	13.9	9	8	1 18	8	8																													

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												7							
H. M. S. SID. T. 1 44 0 } γ ARC 26° 0'.1 } 28°						H. M. S. 1 47 49 } γ 29° 26° 57'.2 } 29°						H. M. S. 1 51 38 } γ 30° 27° 54'.5 } 30°						H. M. S. 1 55 27 } γ 31° 28° 51'.9 } 31°						H. M. S. 1 59 18 } γ 32° 29° 49'.4 } 32°						H. M. S. 2 3 8 } γ 33° 30° 47'.1 } 33°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI					
22	1.0	2.5	2 4	27.2	25.9	1.9	3.4	2 54	28.1	26.9	2.9	4.2	3 44	29.0	27.9	3.8	5.1	4 35	0.0	28.9	4.8	6.0	5 25	0.9	29.8	5.7	6.8	6 16	1.8	0.8					
23	2	8	2 26	4	9	2.1	7	3 16	3	9	3.0	5	4 6	2	9	4.0	4	4 56	1	9	9	3	5 47	1.0	8	8	7.1	6 37	9	8					
24	3	3.1	2 48	5	9	2	4.0	3 38	5	9	2	9	4 28	4	9	1	7	5 18	3	9	5.1	6	6 8	2	8	6.0	5	6 58	2.1	8					
25	5	5	3 11	7	9	4	3	4 0	6	9	3	5.2	4 50	5	9	3	6.0	5 40	4	9	2	9	6 30	3	8	2	8	7 20	2	8					
26	7	8	3 34	9	26.0	6	7	4 23	8	9	5	5	5 12	7	27.9	4	4	6 2	0.6	9	4	7.2	6 51	5	8	3	8.1	7 41	3	8					
27	8	4.1	3 56	28.1	0	7	5.0	4 45	9	9	6	8	5 35	8	9	4.6	7	6 24	7	28.9	5	6	7 13	1.6	29.8	6.5	4	8 3	5	0.8					
28	2.0	5	4 20	2	0	9	3	5 8	29.1	27.0	8	6.2	5 57	7	9	8	7.0	6 46	9	9	7	9	7 35	7	8	6	8	8 25	2.6	8					
29	1	8	4 43	4	0	3.0	7	5 31	3	0	4.0	5	6 20	0.1	9	9	4	7 9	1.0	9	9	8.2	7 58	9	8	8	9.1	8 47	8	8					
30	3	5.2	5 7	6	0	2	6.0	5 55	4	0	2	9	6 43	3	27.9	5.1	7	7 32	2	9	6.1	6	8 20	2.0	8	7.0	5	9 9	9	8					
31	5	5	5 31	7	26.0	4	4	6 18	6	0	3	7.2	7 6	5	9	3	8.1	7 55	3	9	2	9	8 43	2	8	2	8	9 31	3.1	8					
32	7	9	5 55	9	0	6	7	6 42	8	0	5	6	7 30	6	9	5	4	8 18	5	28.9	4	9.3	9 6	4	29.8	4	10.2	9 54	2	0.8					
33	9	6.2	6 19	29.1	1	8	7.1	7 6	9	27.0	7	8.0	7 54	8	28.0	7	8	8 41	6	9	6	7	9 29	5	8	6	5	10 17	4	8					
34	3.1	6	6 44	3	1	4.0	5	7 31	0.1	0	9	3	8 18	1.0	0	9	9.2	9 5	8	9	8	10.0	9 52	7	8	8	9	10 40	5	8					
35	3	7.0	7 9	5	1	2	9	7 55	3	0	5.1	7	8 42	1	0	6.1	6	9 29	2.0	9	7.0	4	10 16	8	8	8.0	11.3	11 3	7	8					
36	5	4	7 34	7	26.1	4	8.3	8 20	5	0	3	9.1	9 7	3	0	3	10.0	9 54	2	9	2	8	10 40	3.0	8	2	7	11 27	9	8					
37	7	8	8 0	9	1	6	7	8 46	6	0	5	5	9 32	4	0	5	4	10 18	3	28.9	4	11.2	11 4	2	29.8	4	12.1	11 51	4.0	0.8					
38	9	8.3	8 26	7	1	8	9.1	9 12	8	27.1	7	10.0	9 57	6	28.0	7	8	10 43	5	9	6	7	11 29	4	8	6	5	12 15	1	8					
39	4.1	7	8 52	0.2	1	5.0	6	9 38	1.0	1	6.0	4	10 23	8	0	9	11.3	11 9	7	9	9	12.1	11 54	5	8	8	9	12 40	3	8					
40	3	9.2	9 19	4	2	2	10.0	10 4	2	1	2	9	10 49	2.0	0	7.1	7	11 34	9	9	8.1	5	12 20	7	8	9.0	13.3	13 5	5	8					
41	5	7	9 47	6	26.2	5	4	10 31	4	1	4	11.3	11 16	2	0	4	12.2	12 1	3.1	9	4	13.0	12 46	9	8	3	7	13 31	7	8					
42	8	10.2	10 14	8	2	7	9	10 59	6	1	7	8	11 43	4	0	7	7	12 27	2	28.9	6	5	13 12	4.1	29.8	6	14.2	13 57	8	0.8					
43	5.0	7	10 43	1.0	2	6.0	11.4	11 26	8	27.1	7.0	12.3	12 10	6	28.0	9	13.2	12 55	4	9	9	14.0	13 39	3	8	9	7	14 23	5.0	8					
44	3	11.2	11 12	2	2	3	9	11 55	2.0	1	3	9	12 38	8	0	8.2	7	13 22	6	9	9.2	5	14 6	4	8	10.1	15.2	14 50	2	8					
45	5	7	11 41	4	2	5	12.5	12 24	2	1	5	13.4	13 7	3.0	0	5	14.2	13 50	8	9	4	15.0	14 33	6	8	4	7	15 17	4	8					
46	8	12.3	12 11	6	26.2	8	13.0	12 53	4	1	8	9	13 36	2	0	8	7	14 19	4.0	9	7	5	15 2	8	8	7	16.3	15 45	6	8					
47	6.1	9	12 41	8	3	7.1	6	13 23	7	2	8.1	14.5	14 6	4	0	9.1	15.3	14 48	3	28.9	10.0	16.1	15 30	5.0	29.8	11.0	9	16 13	8	0.7					
48	4	13.4	13 12	2.0	3	4	14.2	13 54	9	27.2	4	15.1	14 36	6	28.0	4	9	15 18	5	9	3	7	16 0	2	8	3	17.5	16 42	6.0	7					
49	7	14.0	13 44	3	3	7	8	14 26	3.2	2	8	6	15 7	8	0	7	16.4	15 48	7	9	6	17.2	16 30	4	8	6	18.0	17 11	2	7					
50	7.1	6	14 17	6	3	8.1	15.4	14 58	4	2	9.1	16.2	15 39	4.1	0	10.1	17.0	16 19	9	9	11.0	8	17 0	6	8	12.0	6	17 41	4	7					
51	5	15.3	14 50	8	26.3	5	16.1	15 31	6	2	5	8	16 11	3	1	5	7	16 51	5.1	29.0	4	18.5	17 32	8	8	4	19.2	18 12	6	7					
52	9	16.0	15 25	3.0	4	9	8	16 4	8	27.2	9	17.5	16 44	5	28.1	9	18.4	17 24	3	0	8	19.2	18 4	6.0	29.8	8	9	18 44	8	0.7					
53	8.3	7	16 0	3	4	9.3	17.5	16 39	4.0	2	10.3	18.2	17 18	7	1	11.3	19.1	17 57	6	0	12.3	9	18 37	2	8	13.2	20.6	19 16	7.0	7					
54	8	17.5	16 35	6	4	8	18.2	17 14	3	2	8	19.0	17 52	5.0	1	8	8	18 31	8	0	8	20.6	19 10	5	8	7	21.3	19 49	2	7					
55	9.3	18.3	17 12	9	4	10.3	19.0	17 50	6	2	11.3	8	18 28	3	1	12.3	20.5	19 6	6.1	0	13.3	21.3	19 45	8	8	14.2	22.1	20 23	5	7					
56	9	19.1	17 50	4.2	5	9	8	18 27	9	3	9	20.6	19 5	6	2	9	21.3	19 42	4	0	9	22.1	20 20	7.0	8	8	9	20 58	7	7					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

8																												UPPER MERIDIAN, CUSP OF 10th H.																											
H. M. S. SID. T. 2 3 8 } 8 ARC 30° 47'.1 } 3°						H. M. S. 2 7 0 } 8 4° 31° 44'.9 } 4°						H. M. S. 2 10 52 } 8 5° 32° 42'.9 } 5°						H. M. S. 2 14 44 } 8 6° 33° 41' } 6°						H. M. S. 2 18 37 } 8 7° 34° 39'.4 } 7°						H. M. S. 2 22 31 } 8 8° 35° 37'.8 } 8°																									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																				
Lat.	II	☌	☉	☿	♈	II	☌	☉	☿	♈	II	☌	☉	☿	♈	II	☌	☉	☿	♈	II	☌	☉	☿	♈	II	☌	☉	☿	♈	II	☌	☉	☿	♈																				
22	5.7	6.8	6.16	1.8	0.8	6.7	7.7	7.7	2.7	1.8	7.6	8.6	7.58	3.6	2.8	8.6	9.5	8.49	4.5	3.8	9.5	10.4	9.41	5.5	4.8	10.4	11.2	10.33	6.4	5.8																									
23	8	7.1	6.37	9	8	8	8.0	7.28	8	8	8	9	8.19	8	8	7	8	9.10	7	8	6	7.10	1	6	8	6	5	10.53	5	8																									
24	6.0	5	6.58	2.1	8	7.0	3	7.49	3.0	8	9	9.2	8.40	9	8	9	10.1	9.30	8	8	8	11.0	10.21	7	8	7	8	11.12	6	8																									
25	2	8	7.20	2	8	2	6	8.10	1	8	8.1	5	9.0	4.0	8	9.0	4	9.51	9	8	10.0	3	10.42	8	8	9	12.1	11.32	8	8																									
26	3	8.1	7.41	3	8	3	9.0	8.31	2	8	2	8	9.21	1	8	2	7	10.12	5.1	8	1	6.11	2	6.0	7	11.1	5	11.53	9	7																									
27	6.5	4	8.3	5	0.8	5	3	8.53	4	1.8	4	10.2	9.43	3	2.8	4	11.0	10.32	2	3.7	3	9	11.23	1	4.7	2	8	12.13	7.0	5.7																									
28	6	8	8.25	2.6	8	6	6	9.14	3.5	8	6	5	10.4	4	8	5	4	10.53	3	7	5	12.2	11.43	2	7	4	13.1	12.33	1	7																									
29	8	9.1	8.47	8	8	8	10.0	9.36	7	8	8	8	10.25	4.6	8	7	7	11.14	5	7	6	6	12.4	3	7	6	4	12.54	2	7																									
30	7.0	5	9.9	9	8	8.0	3	9.58	8	8	9	11.2	10.47	7	7	9	12.0	11.36	5.6	7	8	9	12.25	6.5	7	8	8	13.14	4	7																									
31	2	8	9.31	3.1	8	2	7	10.20	9	8	9.1	5	11.9	8	7	10.1	4	11.57	7	7	11.0	13.2	12.46	6	7	9	14.1	13.35	7.5	6																									
32	4	10.2	9.54	2	0.8	4	11.0	10.42	4.1	1.8	3	9	11.31	5.0	2.7	2	7	12.19	9	3.7	2	6	13.8	7	4.7	12.1	4	13.56	6	5.6																									
33	6	5	10.17	4	8	5	4	11.5	2	8	5	12.2	11.53	1	7	4	13.1	12.41	6.0	7	4	9	13.29	9	6	3	8	14.18	8	6																									
34	8	9	10.40	5	8	7	8	11.28	4	8	7	6	12.15	3	7	6	5	13.3	1	7	6	14.3	13.51	7.0	6	5	15.2	14.39	9	6																									
35	8.0	11.3	11.3	7	8	9	12.2	11.51	6	7	9	13.0	12.38	4	7	8	9	13.25	3	6	8	7	14.13	2	6	7	6	15.1	8.0	6																									
36	2	7	11.27	9	8	9.1	6	12.14	7	7	10.1	4	13.1	5.6	7	11.0	14.3	13.48	4	6	12.0	15.1	14.35	3	6	9	9	15.23	2	5																									
37	4	12.1	11.51	4.0	0.8	3	13.0	12.38	9	1.7	3	8	13.24	7	2.7	2	7	14.11	6.6	3.6	2	5	14.58	5	4.6	13.1	16.3	15.45	3	5.5																									
38	6	5	12.15	1	8	6	4	13.2	5.0	7	5	14.2	13.48	9	7	5	15.1	14.34	8	6	4	9	15.21	7.6	6	3	7	16.8	4	5																									
39	8	9	12.40	3	8	8	8	13.26	2	7	7	6	14.12	6.1	7	7	5	14.58	9	6	6	16.3	15.44	8	5	6	17.2	16.31	8.5	5																									
40	9.0	13.3	13.5	5	8	10.0	14.2	13.51	4	7	11.0	15.1	14.36	2	7	9	9	15.22	7.0	6	9	7	16.8	9	5	8	6	16.54	7	5																									
41	3	7	13.31	7	8	3	7	14.16	6	7	2	5	15.1	4	6	12.2	16.3	15.46	1	6	13.1	17.2	16.32	8.1	5	14.1	18.0	17.17	8	4																									
42	6	14.2	13.57	8	0.8	5	15.1	14.41	8	1.7	5	16.0	15.26	6	2.6	4	8	16.11	3	3.5	4	6	16.56	2	4.5	3	5	17.41	9.0	5.4																									
43	9	7	14.23	5.0	8	8	6	15.7	9	7	8	4	15.52	8	6	7	17.3	16.36	5	5	7	18.1	17.21	4	5	6	9	18.5	1	4																									
44	10.1	15.2	14.50	2	8	11.1	16.1	15.34	6.1	7	12.1	9	16.18	9	6	13.0	7	17.2	7	5	14.0	6	17.46	5	4	9	19.4	18.30	3	4																									
45	4	7	15.17	4	8	4	6	16.0	2	7	4	17.4	16.44	7.0	6	3	18.2	17.28	8	5	3	19.1	18.12	6	4	15.2	9	18.55	5	3																									
46	7	16.3	15.45	6	8	7	17.1	16.28	4	7	7	9	17.11	2	6	6	7	17.54	8.0	5	6	6	18.38	7	4	5	20.4	19.21	6	3																									
47	11.0	9	16.13	8	0.7	12.0	7	16.56	6	1.7	13.0	18.5	17.38	4	2.6	9	19.3	18.21	1	3.5	9	20.1	19.4	9	4.4	8	9	19.47	8	5.3																									
48	3	17.5	16.42	6.0	7	3	18.2	17.24	8	6	3	19.0	18.6	5	6	14.2	8	18.48	3	4	15.2	7	19.31	9.1	3	16.1	21.5	20.14	10.0	3																									
49	6	18.0	17.11	2	7	6	8	17.53	7.0	6	6	6	18.35	7	5	5	20.4	19.16	5	4	5	21.2	19.58	3	3	4	22.0	20.41	2	2																									
50	12.0	6	17.41	4	7	13.0	19.4	18.22	2	6	9	20.2	19.4	9	5	9	21.0	19.45	7	4	8	8	20.27	5	3	8	6	21.8	3	2																									
51	4	19.2	18.12	6	7	4	20.0	18.53	4	6	14.3	8	19.33	8.1	5	15.3	6	20.14	9	4	16.2	22.4	20.55	7	3	17.2	23.2	21.36	4	2																									
52	8	9	18.44	8	0.7	8	7	19.24	6	1.6	7	21.5	20.4	3	2.5	7	22.3	20.44	9.1	3.4	6	23.0	21.25	9	4.2	6	8	22.5	6	5.2																									
53	13.2	20.6	19.16	7.0	7	14.2	21.4	19.55	8	6	15.2	22.2	20.35	5	5	16.1	9	21.15	3	3	17.1	7	21.55	10.1	2	18.0	24.4	22.35	8	1																									
54	7	21.3	19.49	2	7	7	22.1	20.28	8.0	6	7	9	21.7	7	5	6	23.6	21.47	5	3	6	24.4	22.26	3	2	4	25.1	23.5	11.0	1																									
55	14.2	22.1	20.23	5	7	15.2	8	21.1	3	6	16.2	23.6	21.40	9.0	4	17.1	24.3	22.19	7	3	18.1	25.1	22.58	5	2	19.0	8	23.36	2	1																									
56	8	9	20.58	7	7	8	23.6	21.36	5	6	8	24.4	22.14	2	4	7	25.0	22.52	9	3	7	8	23.30	8	1	5	26.5	24.8	4	1																									

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												9		
H. M. S. SID. T. 2 26 26 } 8 ARC 36° 36'.5 } 9°						H. M. S. 2 30 21 } 8 10° 37° 35'.3 }					H. M. S. 2 34 17 } 8 11° 38° 34'.3 }					H. M. S. 2 38 14 } 8 12° 39° 33'.4 }					H. M. S. 2 42 11 } 8 13° 40° 32'.8 }					H. M. S. 2 46 9 } 8 14° 41° 32'.3 }				
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI
22	11.3	12.1	11 25	7.3	6.8	12.3	13.0	12 17	8.3	7.8	13.2	13.9	13 9	9.2	8.8	14.1	14.8	14 1	10.2	9.8	15.1	15.7	14 54	11.1	10.8	16.0	16.5	15 47	12.1	11.8
23	5	4 11 44	4	8	4	4	3 12 36	4	8	4	4 14 2	13 28	3	8	3	15.1	14 20	3	8	2	16.0	15 12	2	8	2	8	16 5	1	8	
24	7	7 12 4	6	7	6	6	6 12 55	5	7	5	5 13 47	4	8	5	4 14 39	4	7	4	3	15 30	3	7	3	17.1	16 23	2	7			
25	8	13.0	12 23	7	7	8	9 13 14	6	7	7	8 14 6	5	7	6	7 14 57	5	7	5	6	15 49	4	7	5	4	16 41	3	7			
26	12.0	3	12 43	8	7	9	14.2	13 34	8.7	7	9	15.1	14 25	9.6	7	8	16.0	15 16	10.6	7	7	9	16 8	5	7	6	7	16 59	4	7
27	2	6 13 3	9	6.7	13.1	5	13 54	8	7.7	14.0	4	14 44	8	8.7	15.0	3	15 35	7	9.7	9	17.2	16 26	11.6	10.7	8	18.0	17 18	12.5	11.6	
28	3	14.0	13 23	8.0	7	3	8 14 13	9	7	2	7 15 4	9	6	1	6	15 54	8	6	16.1	5	16 45	7	6	17.0	4	17 36	6	6		
29	5	3	13 43	2	6	4	15.2	14 33	9.1	6	4	16.0	15 23	10.0	6	3	9	16 14	9	6	2	8	17 4	8	6	2	7	17 55	7	6
30	7	6	14 4	3	6	6	5 14 53	2	6	6	4	15 43	1	6	5	17.2	16 33	11.0	6	4	18.1	17 23	9	5	3	19.0	18 13	8	5	
31	9	15.0	14 24	4	6	8	8 15 14	3	6	7	7 16 3	2	6	7	6	16 53	1	5	6	4	17 42	12.0	5	5	3	18 32	9	5		
32	13.1	3	14 45	8.5	6.6	14.0	16.2	15 34	4	7.6	9	17.0	16 23	3	8.5	9	9	17 13	2	9.5	8	8	18 2	1	10.5	7	7	18 52	13.0	11.4
33	3	7	15 6	7	6	2	5	15 55	9.5	5	15.1	4	16 43	4	5	16.1	18.3	17 33	3	5	17.0	19.1	18 21	2	4	9	20.0	19 11	1	4
34	5	16.0	15 27	8	5	4	9	16 16	6	5	3	7	17 4	10.5	5	3	6	17 53	4	4	2	5	18 41	3	4	18.1	3	19 30	2	4
35	7	4	15 49	9	5	6	17.3	16 37	8	5	5	18.1	17 25	7	4	5	19.0	18 13	11.5	4	4	9	19 1	4	4	3	7	19 50	3	3
36	9	8	16 10	9.1	5	8	6	16 58	9	5	7	5	17 46	8	4	7	4	18 34	17	9.4	6	20.2	19 22	12.5	3	5	21.1	20 10	4	3
37	14.1	17.2	16 32	2	6.5	15.0	18.0	17 20	10.0	7.4	9	9	18 7	9	8.4	9	7	18 55	8	3	8	6	19 42	7	10.3	8	5	20 30	13.5	11.2
38	3	6	16 55	3	4	2	4	17 41	1	4	16.2	19.3	18 29	11.0	3	17.1	20.1	19 16	9	3	18.0	21.0	20 3	8	2	19.0	9	20 51	6	2
39	5	18.0	17 17	5	4	5	8	18 4	2	4	4	7	18 50	2	3	3	5	19 37	12.0	3	3	4	20 24	9	2	2	22.3	21 12	8	2
40	8	4	17 40	9.6	4	7	19.3	18 26	4	3	6	20.1	19 12	3	3	6	9	19 59	2	9.2	5	8	20 45	13.0	2	5	7	21 33	9	1
41	15.0	9	18 3	8	4	16.0	7	18 49	10.5	7.3	9	5	19 35	4	8.2	8	21.4	20 21	3	2	8	22.2	21 7	1	1	7	23.1	21 54	14.0	11.1
42	3	19.3	18 26	9	6.3	2	20.1	19 12	6	3	17.2	21.0	19 58	11.6	2	18.1	8	20 43	4	1	19.0	6	21 29	3	10.1	20.0	5	22 15	1	0
43	5	8	18 50	10.1	3	5	6	19 36	8	2	4	4	20 21	7	2	4	22.2	21 6	12.5	1	3	23.1	21 51	4	0	2	9	22 37	2	0
44	8	20.2	19 15	2	3	8	21.1	19 59	9	2	7	9	20 44	8	1	7	7	21 29	6	9.1	6	5	22 14	13.5	0	5	24.4	22 59	3	0
45	16.1	7	19 39	3	2	17.1	6	20 24	11.1	7.2	18.0	22.4	21 8	9	8.1	19.0	23.2	21 52	7	0	9	24.0	22 37	6	0	8	9	23 22	4	10.9
46	4	21.2	20 5	4	2	4	22.1	20 48	2	1	3	9	21 32	12.1	1	3	7	22 16	9	0	20.2	5	23 0	7	9.9	21.1	25.3	23 45	14.5	9
47	8	8	20 30	10.6	6.2	7	6	21 13	4	1	6	23.4	21 57	2	0	6	24.2	22 40	13.0	0	5	25.0	23 24	8	9	4	8	24 8	6	8
48	17.1	22.3	20 56	8	2	18.0	23.1	21 39	6	1	19.0	9	22 22	4	0	9	7	23 5	2	8.9	8	4	23 48	14.0	9	8	26.2	24 32	8	8
49	4	9	21 23	9	1	3	6	22 5	7	7.1	3	24.4	22 48	5	7.9	20.3	25.2	23 30	3	9	21.1	9	24 13	1	8	22.1	7	24 56	9	10.7
50	7	23.4	21 50	11.1	1	7	24.2	22 32	9	0	6	9	23 14	7	9	6	7	23 56	5	9	5	26.5	24 38	3	8	5	27.3	25 21	15.1	7
51	18.1	24.0	22 18	3	1	19.1	8	22 59	12.1	0	20.0	25.5	23 41	9	9	21.0	26.3	24 23	13.6	8	9	27.1	25 4	4	9.7	9	9	25 46	2	6
52	5	6	22 46	4	6.1	5	25.4	23 27	2	0	4	26.1	24 8	13.0	8	4	9	24 50	7	8.8	22.4	7	25 30	14.5	7	23.3	28.5	26 12	3	6
53	19.0	25.2	23 15	6	0	9	26.0	23 56	3	6.9	9	7	24 36	1	7.8	9	27.5	25 17	8	7	8	28.3	25 57	6	6	7	29.1	26 38	4	10.5
54	5	9	23 45	8	0	20.4	6	24 25	5	9	21.4	27.4	25 5	3	8	22.3	28.1	25 45	14.0	7	23.3	9	26 25	8	6	24.2	7	27 5	6	5
55	20.0	26.6	24 16	12.0	0	9	27.3	24 55	7	9	9	28.1	25 34	5	7	8	8	26 13	2	6	8	29.6	26 53	15.0	5	7	0.3	27 33	8	4
56	6	27.3	24 47	2	5.9	21.5	28.0	25 25	9	8	22.4	8	26 4	7	7	23.4	29.5	26 43	4	5	24.4	0.3	27 22	2	5	25.3	1.0	28 1	16.0	4

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

10																												UPPER MERIDIAN, CUSP OF 10th H.																											
H. M. S. SID. T. 2 46 9 } 8 ARC 41° 32'.3 } 14°						H. M. S. 2 50 8 } 8 15° 42° 32'.0 }						H. M. S. 2 54 7 } 8 16° 43° 31'.8 }						H. M. S. 2 58 7 } 8 17° 44° 31'.9 }						H. M. S. 3 2 8 } 8 18° 45° 32'.1 }						H. M. S. 3 6 10 } 8 19° 46° 32'.5 }																									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																									
Lat.	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI																									
22	16.0	16.5	15 47	12.1	11.8	16.9	17.4	16 40	13.0	12.8	17.9	18.3	17 33	14.0	13.8	18.8	19.2	18 27	14.9	14.9	19.7	20.1	19 20	15.9	15.9	20.7	21.0	20 14	16.9	16.9																									
23	2	8	16 5	1	8	17.1	7	16 57	1	8	18.0	6	17 51	1	8	19.0	5	18 44	15.0	8	9	4	19 37	16.0	8	8	3	20 31	9	8																									
24	3	17.1	16 23	2	7	2	18.0	17 15	2	8	2	9	18 8	1	8	1	8	19 1	1	8	20.1	7	19 54	0	8	21.0	6	20 48	17.0	8																									
25	5	4	16 41	3	7	4	3	17 33	3	7	3	19.2	18 26	2	7	3	20.1	19 18	2	7	2	21.0	20 11	1	7	2	9	21 4	1	7																									
26	6	7	16 59	4	7	6	6	17 51	13.4	7	5	5	18 43	14.3	7	4	4	19 35	3	7	4	3	20 28	2	7	3	22.2	21 21	1	7																									
27	8	18.0	17 18	12.5	11.6	7	9	18 9	4	12.6	7	8	19 1	4	13.6	6	7	19 53	15.3	14.6	6	6	20 45	3	15.6	5	5	21 38	2	16.6																									
28	17.0	4	17 36	6	6	9	19.2	18 27	5	6	9	20.1	19 19	5	6	8	21.0	20 10	4	6	7	9	21 2	16.3	6	7	8	21 55	17.3	6																									
29	2	7	17 55	7	6	18.1	6	18 46	6	6	19.0	4	19 37	6	5	20.0	3	20 28	5	5	9	22.2	21 20	4	5	9	23.1	22 12	4	5																									
30	3	19.0	18 13	8	5	3	9	19 4	13.7	5	2	8	19 55	14.7	5	2	6	20 46	6	5	21.1	5	21 37	5	5	22.0	4	22 29	4	5																									
31	5	3	18 32	9	5	5	20.2	19 23	8	12.5	4	21.1	20 13	7	13.5	3	22.0	21 4	15.7	4	3	8	21 55	6	4	2	7	22 46	5	4																									
32	7	7	18 52	13.0	11.4	7	5	19 41	9	4	6	4	20 32	8	4	5	3	21 22	7	14.4	5	23.2	22 12	16.7	15.4	4	24.1	23 3	6	16.4																									
33	9	20.0	19 11	1	4	9	9	20 0	14.0	4	8	7	20 50	9	4	7	6	21 40	8	3	7	5	22 30	7	3	6	4	23 21	17.7	3																									
34	18.1	3	19 30	2	4	19.1	21.2	20 20	1	4	20.0	22.1	21 9	15.0	3	9	23.0	21 59	9	3	9	8	22 48	8	3	8	7	23 38	7	3																									
35	3	7	19 50	3	3	3	6	20 39	2	12.3	2	5	21 28	1	13.3	21.1	3	22 17	16.0	2	22.1	24.2	23 7	9	2	23.0	25.1	23 56	8	2																									
36	5	21.1	20 10	4	3	5	22.0	20 59	3	3	4	8	21 47	2	2	3	7	22 36	1	2	3	5	23 25	17.0	15.2	2	4	24 14	9	16.1																									
37	8	5	20 30	13.5	11.2	7	3	21 18	4	2	6	23.2	22 7	3	2	5	24.0	22 55	2	14.1	5	9	23 44	1	1	4	8	24 32	18.0	1																									
38	19.0	9	20 51	6	2	9	7	21 38	14.5	2	8	6	22 26	4	1	8	3	23 14	3	1	7	25.3	24 3	2	1	6	26.2	24 51	1	0																									
39	2	22.3	21 12	8	2	20.1	23.1	21 59	6	12.1	21.1	24.0	22 46	15.5	13.1	22.0	7	23 34	4	0	9	7	24 22	3	0	9	5	25 10	1	0																									
40	5	7	21 33	9	1	4	4	22 20	7	1	3	4	23 7	6	0	2	25.1	23 54	16.5	0	23.2	26.1	24 41	17.3	14.9	24.1	9	25 29	2	15.9																									
41	7	23.1	21 54	14.0	11.1	6	8	22 40	9	0	6	8	23 27	7	0	5	5	24 14	6	13.9	4	5	25 1	4	9	4	27.3	25 48	18.3	8																									
42	20.0	5	22 15	1	0	9	24.3	23 1	15.0	0	8	25.2	23 48	8	0	8	9	24 34	7	9	7	9	25 21	5	8	6	7	26 7	4	8																									
43	2	9	22 37	2	0	21.2	7	23 23	1	11.9	22.1	6	24 9	9	12.9	23.0	26.3	24 54	8	8	24.0	27.3	25 41	6	8	9	28.1	26 27	5	7																									
44	5	24.4	22 59	3	0	5	25.2	23 44	2	9	4	26.1	24 30	16.0	9	3	8	25 15	9	8	2	7	26 1	17.7	14.7	25.2	6	26 47	6	7																									
45	8	9	23 22	4	10.9	8	7	24 6	3	9	7	5	24 51	1	8	6	27.2	25 37	17.0	7	5	28.2	26 22	7	7	5	29.0	27 7	18.7	15.6																									
46	21.1	25.3	23 45	14.5	9	22.1	26.1	24 29	15.4	8	23.0	27.0	25 13	2	8	9	7	25 58	1	13.7	8	6	26 43	8	6	8	4	27 28	8	6																									
47	4	8	24 8	6	8	4	6	24 52	5	8	3	5	25 36	3	7	24.2	28.2	26 21	1	6	25.2	29.1	27 5	9	6	26.1	8	27 49	9	5																									
48	8	26.2	24 32	8	8	7	27.0	25 15	6	11.7	6	9	25 59	4	12.7	6	7	26 42	2	6	5	5	27 26	18.0	14.5	5	0.3	28 10	9	5																									
49	22.1	7	24 56	9	10.7	23.1	5	25 39	7	7	24.0	28.4	26 22	16.5	6	9	29.2	27 5	3	5	8	9	27 49	1	5	9	8	28 32	19.0	4																									
50	5	27.3	25 21	15.1	7	4	28.1	26 3	9	6	4	9	26 46	7	6	25.3	7	27 28	17.5	5	26.2	0.5	28 11	3	4	27.2	1.3	28 54	1	15.4																									
51	9	9	25 46	2	6	8	7	26 28	16.0	6	7	29.4	27 10	8	5	7	0.2	27 52	6	13.4	6	1.0	28 34	4	3	6	8	29 17	2	3																									
52	23.3	28.5	26 12	3	6	24.2	29.3	26 53	1	11.5	25.1	9	27 35	9	12.5	26.1	8	28 16	7	3	27.0	6	28 58	18.5	14.2	28.0	2.3	29 40	3	2																									
53	7	29.1	26 38	4	10.5	6	9	27 19	2	5	6	0.6	28 0	17.0	4	5	4	28 41	8	3	4	2.2	29 22	6	2	4	9	0 3	19.4	1																									
54	24.2	7	27 5	6	5	25.1	0.5	27 45	16.3	4	26.1	1.2	28 26	1	3	27.0	2.0	29 6	9	2	9	8	29 47	7	1	9	3.5	0 28	5	0																									
55	7	0.3	27 33	8	4	6	1.1	28 12	5	3	6	9	28 52	3	2	5	6	29 32	18.1	1	28.4	3.4	0 12	9	0	29.4	4.1	0 52	6	14.9																									
56	25.3	1.0	28 1	16.0	4	26.2	8	28 40	7	3	27.1	2.6	29 19	4	1	28.0	3.3	29 58	3	0	29.0	4.0	0 38	19.0	13.9	9	8	1 18	8	8																									

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

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UPPER MERIDIAN, CUSP OF 10th H.

H. M. S. SID. T. 3 10 12 } 8 ARC 47° 33'.1 } 20°						H. M. S. 3 14 16 } 8 21° 48° 33'.9 } 21°						H. M. S. 3 18 19 } 8 22° 49° 34'.8 } 22°						H. M. S. 3 22 24 } 8 23° 50° 36'.0 } 23°						H. M. S. 3 26 29 } 8 24° 51° 37'.3 } 24°						H. M. S. 3 30 35 } 8 25° 52° 38'.8 } 25°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI
22	21.6	21.9	21.9	17.8	17.9	22.6	22.8	22.3	18.8	18.9	23.5	23.7	22.5	19.8	20.0	24.4	24.7	23.5	20.8	21.0	25.4	25.6	24.4	21.8	22.0	26.3	26.5	25.4	22.8	23.1					
23	8 22.2	21.25	9	9	7 23.1	22.19	9	9	7 24.0	23.13	8 19.9	6 25.0	24.8	8 20.9	5 9 25.3	8 0	5 8 25.5	8 0																	
24	9 5 21.4	18.0	8	9	4 22.35	9	8	8 3 23.29	9	9	8 2 24.23	9	9	7 26.2	25.18	9 21.9	6 27.1	26.12	8 22.9																
25	22.1	8 21.57	0	8 23.0	7 22.51	19.0	8 24.0	6 23.45	20.0	8 9 5 24.39	9	8 9 4 25.33	9	8 8 4 26.27	9	9																			
26	3 23.1	22.14	1	7 2 24.0	23.7	1 7 1 9 24.0	0	0 7 25.1	8 24.54	21.0	7 26.0	7 25.48	22.0	8 27.0	6 26.42	9	8																		
27	4 4 22.30	2 17.7	4 3 23.23	1 18.7	3 25.2	24.16	1 19.7	3 26.1	25.9	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3	0 7 2 27.0	26.3
28	6 7 22.47	2 6	6 6 23.39	2 6	5 5 24.32	1 6	4 4 25.25	1 20.6	4 3 26.18	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11	0 7 3 28.2	27.11
29	8 24.0	23.3	3 5	7 9 23.56	2 5	7 8 24.48	2 6	6 7 25.40	1 6	6 6 26.33	1 21.6	5 5 27.26	0 22.6																						
30	23.0	3 23.20	18.4	5 9 25.2	24.12	19.3	5 9 26.1	25.4	20.2	5 8 27.0	25.56	2 5 7 9 26.48	1 5 7 8 27.41	1 5																					
31	2 6 23.37	4 17.4	24.1	5 24.29	4 18.4	25.0	4 25.20	3 19.4	26.0	3 26.12	21.2	4 9 28.2	27.4	2 4 9 29.1	27.56	1 5																			
32	4 9 23.54	5 4	3 8 24.45	4 4	2 7 25.36	4 4	2 6 26.28	3 4 27.1	5 27.19	22.2	4 28.1	4 28.11	23.2	4																					
33	5 25.2	24.11	6 3	5 26.1	25.2	5 3	4 27.0	25.53	4 3	4 9 26.44	3 20.3	3 8 27.35	3 3 3 7 28.26	2 3																					
34	7 6 24.29	6 2	7 5 25.19	6 2	6 3 26.9	5 2	6 28.2	27.0	4 2 5 29.1	27.51	3 21.2	5 9 28.42	2 22.2																						
35	9 9 24.46	18.7	17.2	9 8 25.36	19.6	18.2	8 7 26.26	5 19.2	8 6 27.16	4 2 7 5 28.7	4 2 7 0.4	28.57	3 2																						
36	24.2	26.3	25.4	8 1 25.1	27.2	25.53	7 1 26.0	28.0	26.43	20.6	1 27.0	9 27.33	21.5	1 9 8 28.23	4 1 9 7 29.13	3 1																			
37	4 6 25.21	9 1	3 5 26.11	8 0	2 4 27.0	7 0	2 29.3	27.49	6 0 28.1	0.1	28.39	5 0 29.1	1.0	29.29	23.4	0																			
38	6 27.0	25.39	9 0	5 9 26.28	8 0	5 7 27.17	7 0	4 6 28.6	6 19.9	3 5 28.55	22.5	20.9	3 4 29.45	4 21.9																					
39	8 4 25.58	19.0	16.9	8 28.2	26.46	9 17.9	7 29.1	27.34	8 18.9	6 9 28.23	7 9 6 9 29.12	6 8 5 7 0 1	5 8																						
40	25.1	7 26.16	1 9	26.0	6 27.4	20.0	8 9 5 27.52	8 8 9 0.3	28.40	21.7	8 8 1.2	29.29	6 8 8 2.1	0 17	5 8																				
41	3 28.1	26.35	2 8	3 29.0	27.23	0 8 27.2	9 28.10	9 7 28.1	7 28.58	8 7 29.1	6 29.46	7 7 25	5 0 34	23.6	7																				
42	6 5 26.54	3 7	5 4 27.41	1 7	5 0.3	28.28	21.0	6 4 1.1	29.15	9 6 3 2.0	0 3 22.7	6 0.3	9 0 51	6 6																					
43	8 29.0	27.13	19.3	7 8 8 28.0	2 6	7 7 28.47	1 6	7 5 29.33	9 19.5	6 4 0 20	8 20.5	5 3.3	1 8 7 21.5																						
44	26.1	4 27.33	4 16.6	27.1	0.2	28.19	3 17.6	28.0	1.1	29.5	1 18.5	9 9 29.52	22.0	5 9 8 0 38	9 5 8 7 1 25	7 5																			
45	4 8 27.53	5 6	4 7 28.38	20.4	5 3 5 29.24	2 4 29.2	2.4	0 10	1 4 0.2	3.2	0 56	9 4 1.1	4.1	1 43	23.8	4																			
46	7 0.3	28.13	6 5	7 1.1	28.58	4 5	6 9 29.43	3 4 5 8 0 29	1 4 5 7 1 14	23.0	4 4 4 2 0	8 3																							
47	27.0	7 28.33	19.7	5 28.0	5 29.18	5 4	9 2.3	0 3 21.4	3 9 3.2	0 48	2 3 8 4.1	1 33	0 20.3	7 8 2 18	9 21.2																				
48	4 1.1	28.54	8 4	3 2.0	29.39	6 3 29.2	8 0 23	4 18.3	0.2	6 1 7 22.3	19.2	1.1	5 1 52	1 2 2.1	5.3	2 37	9 1																		
49	7 6 29.15	8 16.3	7 4 29.59	20.7	17.2	6 3.3	0 43	5 2 5 4.0	1 27	3 2 5 9 2 11	2 1 4 7 2 56	24.0	1																						
50	28.1	2.1	29.37	9 3 29.1	9 0 20	8 2 25	7 1 4	6 1 9 5 1 47	4 1 9 5.4	2 31	2 0 8 6.2	3 15	1 0																						
51	4 6 29.59	20.0	2 5 3.4	0 42	9 1 0.3	4.2	1 25	21.7	0 1.2	5.0	2 8	5 0 2.3	9 2 51	23.3	19.9	3.1	7 3 34	1 20.9																	
52	8 3.1	0 22	1 1 9 9 1 4	9 0	7 7 1 46	8 17.9	6 5 2 29	6 18.9	7 6.4	3 11	4 8 5 7.2	3 54	2 8																						
53	29.3	7 0 45	2 0 0.3	4.5	1 26	21.0	16.9	1.1	5.2	2 8	9 8 2.0	6.0	2 50	22.7	8 3.1	9 3 32	4 7 9 7 4 15	24.2	7																
54	7 4.3	1 9	3 15.9	7 5.1	1 49	1 8	6 8 2 31	22.0	7 5 6 3 12	7 7 5 7.4	3 54	5 6 4.4	8.2	4 35	3 6																				
55	0.3	9 1 33	4 8 1.2	7 2 13	2 7 2.1	6.4	2 54	0 6 3.1	7.2	3 35	8 5 4.0	8.0	4 15	6 4 9 7 4 57	4 4																				
56	8 5.5	1 57	5 7 7 6.3	2 37	3 6 6 7.0	3 17	1 5 6 8 3 57	9 4 5 5 4 38	7 3 5.4	9.3	5 18	4 3																							

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

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H. M. S. SID. T. 3 30 35 } 8 ARC 52° 38'.3 } 25°						H. M. S. 3 34 42 } 8 26° 53° 40'.5 }						H. M. S. 3 38 49 } 8 27° 54° 42'.3 }						H. M. S. 3 42 57 } 8 28° 55° 44'.4 }						H. M. S. 3 47 6 } 8 29° 56° 46'.6 }						H. M. S. 3 51 16 } II 0° 57° 48'.9 }																									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																									
Lat.	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI	II	III	IV	V	VI																									
22	26.3	26.5	25.43	22.8	23.1	27.3	27.5	26.39	23.7	24.1	28.2	28.4	27.35	24.8	25.1	29.2	29.4	28.31	25.7	26.2	0.1	0.3	29.27	26.8	27.3	1.1	1.2	0.23	27.8	28.3																									
23	5	8	25.58	8	0	4	7	26.53	8	0	4	7	27.48	8	1	3	6	28.44	8	1	3	5	29.40	8	2	2	5	0.36	8	3																									
24	6	27.1	26.12	8	22.9	6	28.0	27.7	8	0	5	9	28.2	8	0	5	9	28.58	8	1	4	8	29.53	8	1	4	7	0.49	8	2																									
25	8	4	26.27	9	9	8	3	27.21	9	23.9	7	29.2	28.16	8	24.9	7	0.2	29.11	8	0	6	1.1	0.6	8	1	6	2.0	1.2	8	1																									
26	27.0	6	26.42	9	8	9	6	27.36	9	8	9	5	28.30	24.9	9	8	4	29.25	8	25.9	8	3	0.19	26.8	0	7	3	1.15	8	0																									
27	2	9	26.56	23.0	7	28.1	8	27.50	9	8	29.0	8	28.44	9	8	29	7	29.38	25.9	9	1.0	6	0.33	9	26.9	9	5	1.27	27.8	27.9																									
28	3	28.2	27.11	0	7	3	29.1	28.5	24.0	7	2	9	28.58	9	7	0.2	1.0	29.52	9	8	1	9	0.46	9	8	2.1	8	1.40	8	9																									
29	5	5	27.26	0	22.6	5	4	28.19	0	6	4	0.3	29.12	25.0	7	4	3	0.6	9	7	3	2.1	0.59	9	7	2	3.1	1.53	9	8																									
30	7	8	27.41	1	5	6	7	28.34	0	23.6	6	6	29.26	0	24.6	5	5	0.20	9	25.6	5	4	1.13	26.9	7	4	4	2.6	9	7																									
31	9	29.1	27.56	1	5	8	9	28.48	1	5	8	9	29.41	0	5	7	8	0.33	26.0	5	7	7	1.26	9	26.6	6	6	2.19	9	27.6																									
32	28.1	4	28.11	23.2	4	29.0	0.3	29.3	1	4	29	1.2	29.55	0	4	9	2.1	0.47	0	5	9	3.0	1.40	9	5	8	9	2.33	27.9	5																									
33	3	7	28.26	2	3	2	6	29.18	24.1	3	0.2	5	0.9	1	3	1.1	4	1.1	0	4	2.1	3	1.54	27.0	4	3.0	4.2	2.46	9	4																									
34	5	9	28.42	2	22.2	4	9	29.33	2	23.2	3	8	0.24	25.1	24.3	3	7	1.16	0	25.3	2	6	2.7	0	3	2	5	2.59	9	3																									
35	7	0.4	28.57	3	2	6	1.2	29.48	2	2	5	2.1	0.39	1	2	5	3.0	1.30	1	2	4	9	2.21	0	26.2	4	8	3.13	9	27.2																									
36	9	7	29.13	3	1	8	6	0.3	2	1	7	5	0.54	2	1	7	4	1.44	26.1	1	6	4.2	2.36	0	1	6	5.1	3.26	28.0	2																									
37	29.1	1.0	29.29	23.4	0	29	9	0.19	3	0	1.0	8	1.9	2	0	9	7	1.59	1	0	9	6	2.50	0	0	8	4	3.40	0	1																									
38	3	4	29.45	4	21.9	0.2	2.2	0.34	24.3	22.9	2	3.1	1.24	2	23.9	2.1	4.0	2.14	1	24.9	3.1	9	3.4	27.1	0	4.0	7	3.54	0	0																									
39	5	7	0.1	5	8	5	5	0.50	4	8	4	5	1.39	25.3	8	4	4	2.29	2	8	3	5.2	3.18	1	25.9	3	6.0	4.8	0	26.9																									
40	8	2.1	0.17	5	8	7	9	1.6	4	8	6	8	1.55	3	8	6	7	2.44	26.2	7	5	6	3.33	1	8	5	4	4.22	0	8																									
41	29	5	0.34	23.6	7	1.0	3.2	1.22	5	7	9	4.2	2.11	3	7	8	5.1	2.59	2	6	8	9	3.48	1	7	7	8	4.37	28.0	7																									
42	0.3	9	0.51	6	6	2	6	1.38	5	22.6	2.2	6	2.26	4	23.6	3.1	5	3.15	3	24.5	4.1	6.3	4.3	2	6	5.0	7.1	4.51	1	6																									
43	5	3.3	1.8	7	21.5	5	4.0	1.55	24.6	5	4	5.0	2.43	25.4	5	4	8	3.30	3	4	3	7	4.18	27.2	4	3	5	5.6	1	5																									
44	8	7	1.25	7	5	8	4	2.12	6	4	7	4	2.59	5	4	7	6.2	3.46	26.3	4	6	7.0	4.34	2	25.3	6	9	5.21	1	26.4																									
45	1.1	4.1	1.43	23.8	4	2.1	8	2.29	6	3	3.0	7	3.16	5	4	9	5	4.2	4	3	9	4	4.49	2	3	8	8.3	5.36	1	3																									
46	4	4	2.0	8	3	4	5.2	2.46	7	22.3	3	6.1	3.33	5	23.3	4.2	9	4.19	4	24.2	5.2	8	5.5	3	2	6.1	7	5.52	28.1	2																									
47	7	8	2.18	9	21.2	7	7	3.4	7	2	6	5	3.50	25.6	1	6	7.3	4.35	4	1	5	8.2	5.21	3	1	4	9.1	6.7	2	1																									
48	2.1	5.3	2.37	9	1	3.0	6.1	3.22	24.8	1	9	9	4.7	6	0	9	7	4.52	26.5	0	8	6	5.38	27.3	0	8	5	6.23	2	0																									
49	4	7	2.56	24.0	1	3	6	3.40	8	0	4.3	7.3	4.25	7	22.9	5.2	8.1	5.10	5	23.9	6.1	9.0	5.55	3	24.8	7.1	9	6.39	2	25.9																									
50	8	6.2	3.15	1	0	7	7.0	3.59	9	21.9	7	8	4.43	7	8	6	6	5.27	6	8	5	4	6.12	4	7	5	10.3	6.56	2	7																									
51	3.1	7	3.34	1	20.9	4.0	5	4.18	9	8	5.0	8.3	5.1	25.8	7	9	9.1	5.45	6	7	8	9	6.29	4	6	8	7	7.13	28.2	6																									
52	5	7.2	3.54	2	8	4	8.0	4.37	25.0	7	4	8	5.20	8	6	6.3	6	6.3	26.6	6	7.2	10.4	6.47	27.4	5	8.1	11.1	7.30	3	5																									
53	9	7	4.15	24.2	7	8	5	4.57	0	6	8	9.3	5.39	8	22.5	7	10.1	6.22	7	23.4	6	9	7.5	5	24.3	5	6	7.48	3	25.4																									
54	4.4	8.2	4.35	3	6	5.3	9.0	5.17	1	5	6.2	8	5.59	9	4	7.2	6	6.41	7	3	8.1	11.4	7.23	5	2	9.0	12.1	8.5	3	2																									
55	9	7	4.57	4	4	8	5	5.38	2	3	7	10.3	6.19	26.0	2	7	11.1	7.0	8	1	6	9	7.42	6	0	5	6	8.24	4	0																									
56	5.4	9.3	5.18	4	3	6.3	10.1	5.59	2	2	7.2	9	6.40	0	1	8.2	6	7.20	8	0	9.1	12.4	8.1	6	23.9	10.0	13.1	8.42	4	24.9																									

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.

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H. M. S. SID. T. 8 55 26 } II ARC 58° 51'.5 } I°						H. M. S. 3 59 37 } II 2° 59° 54'.2 } II 2°						H. M. S. 4 3 48 } II 3° 60° 57'.1 } II 3°						H. M. S. 4 8 1 } II 4° 62° 0'.1 } II 4°						H. M. S. 4 12 18 } II 5° 63° 3'.3 } II 5°						H. M. S. 4 16 27 } II 6° 64° 6'.7 } II 6°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
22	2.0	2.1	1 20	28.8	29.4	3.0	3.1	2 17	29.8	0.4	3.9	4.1	3 14	0.8	1.5	4.9	5.0	4 11	1.8	2.5	5.9	6.0	5 9	2.9	3.6	6.8	7.0	6 7	3.9	4.6					
23	2	4	1 33	8	3	2	3	2 29	8	3	4.1	3	3 26	8	4	5.1	3	4 23	8	4	6.0	3	5 20	9	5	7.0	2	6 17	9	5					
24	4	7	1 45	8	2	3	6	2 41	8	3	3	6	3 37	8	3	2	5	4 34	8	3	2	5	5 31	9	4	2	5	6 28	9	4					
25	5	9	1 57	8	1	5	9	2 53	8	2	4	8	3 49	8	2	4	8	4 45	8	3	4	8	5 42	8	3	3	7	6 38	9	3					
26	7	3.2	2 10	8	1	6	4.1	3 5	8	1	6	5.1	4 1	8	1.1	6	6.0	4 57	8	2.2	5	7.0	5 53	8	3.2	5	8.0	6 49	8	4.2					
27	9	5	2 22	28.8	0	8	4	3 17	29.8	0	8	3	4 13	0.8	1	7	3	5 8	1.8	1	7	3	6 4	2.8	1	7	2	6 59	3.8	1					
28	3.0	7	2 35	8	28.9	4.0	6	3 30	8	29.9	9	6	4 24	8	0	9	5	5 19	8	0	9	5	6 15	8	0	8	5	7 10	8	1					
29	2	4.0	2 47	8	8	2	9	3 42	8	8	5.1	8	4 36	8	0.9	6.1	8	5 31	8	1.9	7.0	8	6 26	8	2.9	8.0	7	7 21	8	0					
30	4	3	3 0	8	7	3	5.2	3 54	8	8	3	6.1	4 48	8	8	3	7.0	5 42	8	8	2	8.0	6 37	7	8	2	9.0	7 31	7	3.9					
31	6	5	3 13	8	6	5	5	4 6	8	7	5	4	5 0	8	7	4	3	5 54	8	7	4	3	6 48	7	7	4	2	7 42	7	8					
32	8	8	3 26	28.8	28.5	7	7	4 19	29.8	29.6	7	7	5 12	0.8	6	6	6	6 5	1.8	6	6	6	6 59	2.7	6	5	5	7 53	3.7	7					
33	4.0	5.1	3 38	9	5	9	6.0	4 31	8	5	9	9	5 24	8	5	8	9	6 17	7	5	8	8	7 10	7	5	7	8	8 4	7	6					
34	1	4	3 51	9	4	5.1	3	4 44	8	4	6.0	7.2	5 36	8	0.4	7.0	8.1	6 29	7	1.4	8.0	9.1	7 22	7	2.4	9	10.0	8 14	6	5					
35	3	7	4 4	9	3	3	6	4 56	8	3	2	5	5 48	8	3	2	4	6 41	7	3	2	4	7 33	7	3	9.1	3	8 25	6	3.4					
36	5	6.0	4 18	9	28.2	5	9	5 9	8	29.2	4	8	6 1	8	2	4	7	6 53	7	2	4	7	7 44	7	2	3	6	8 37	6	2					
37	8	3	4 31	28.9	1	7	7.2	5 22	29.8	1	7	8.1	6 13	0.8	1	6	9.0	7 5	1.7	1	6	10.0	7 56	2.7	1	5	9	8 48	3.6	1					
38	5.0	6	4 44	9	0	9	5	5 35	8	0	9	4	6 26	8	0	8	3	7 17	7	0	8	3	8 8	6	0	7	11.2	8 59	6	0					
39	2	9	4 58	9	27.9	6.2	8	5 48	8	28.9	7.1	7	6 38	8	29.9	8.1	7	7 29	7	0.9	9.0	6	8 19	6	1.9	10.0	5	9 10	5	2.9					
40	4	7.3	5 12	9	8	4	8.2	6 2	8	8	3	9.1	6 51	8	8	3	10.0	7 41	7	8	2	9	8 31	6	8	2	8	9 22	5	8					
41	7	6	5 26	9	7	6	5	6 15	29.8	7	6	4	7 4	8	7	5	3	7 54	7	6	5	11.3	8 44	6	6	4	12.2	9 33	5	6					
42	6.0	8.0	5 40	29.0	5	9	9	6 29	8	5	9	8	7 18	0.8	5	8	7	8 7	1.7	5	8	6	8 56	2.6	5	7	5	9 45	3.5	5					
43	2	4	5 54	0	4	7.2	9.2	6 43	9	4	8.1	10.1	7 31	8	4	9.1	11.0	8 20	7	0.4	10.0	12.0	9 8	6	1.4	11.0	8	9 57	4	2.4					
44	5	7	6 9	0	27.3	5	6	6 57	9	28.3	4	5	7 44	8	29.3	3	4	8 33	7	3	3	3	9 21	6	2	2	13.1	10 9	4	2					
45	8	9.1	6 23	0	2	7	10.0	7 11	29.9	2	7	8	7 58	8	2	6	7	8 46	6	1	6	6	9 34	6	1	5	4	10 21	4	1					
46	7.1	5	6 38	0	1	8.0	4	7 25	9	1	9.0	11.2	8 12	8	1	9	12.1	8 59	6	0	9	9	9 47	5	0	8	8	10 34	4	0					
47	4	8	6 53	29.0	0	3	7	7 40	9	0	3	5	8 26	0.8	0	10.2	5	9 13	1.6	29.9	11.2	13.3	10 0	2.5	0.9	12.1	14.2	10 46	3.3	1.9					
48	7	10.2	7 9	0	26.9	6	11.1	7 55	9	27.9	6	9	8 41	8	28.8	5	8	9 27	6	8	5	6	10 13	5	7	4	5	10 59	3	7					
49	8.0	6	7 25	1	7	9.0	5	8 10	29.9	8	10.0	12.3	8 55	8	7	8	13.2	9 41	6	6	8	14.0	10 27	5	6	7	8	11 12	3	5					
50	4	11.1	7 41	1	6	3	9	8 25	9	6	3	7	9 10	8	5	11.2	6	9 55	6	5	12.1	4	10 41	5	4	13.1	15.2	11 26	3	4					
51	7	5	7 57	1	5	6	12.3	8 41	9	5	6	13.1	9 25	8	4	5	14.0	10 10	6	29.3	4	8	10 55	5	0.3	4	6	11 39	3	3					
52	9.1	9	8 13	29.1	26.4	10.0	7	8 57	9	27.3	11.0	5	9 41	0.8	2	9	4	10 25	1.6	2	8	15.2	11 9	2.4	1	8	16.0	11 53	3.2	1					
53	5	12.4	8 30	1	2	4	13.2	9 13	2	2	4	14.0	9 57	8	1	12.3	8	10 40	6	0	13.2	6	11 24	4	0	14.2	4	12 7	2	0.9					
54	9	9	8 48	1	1	9	7	9 30	0.0	0	8	5	10 13	8	27.9	7	15.3	10 56	6	28.9	6	16.1	11 39	4	29.8	6	9	12 22	2	7					
55	10.4	13.4	9 5	2	25.9	11.3	14.2	9 47	0	26.8	12.2	15.0	10 29	8	7	13.2	8	11 11	6	7	14.1	6	11 54	4	6	15.0	17.4	12 36	2	5					
56	9	9	9 23	2	8	9	7	10 5	0	7	7	5	10 46	8	6	7	16.3	11 28	5	5	6	17.1	12 10	3	4	5	9	12 51	1	3					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

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H. M. S. SID. T. 4 16 27 } II ARC 64° 6'.7 } 6°										H. M. S. 4 20 41 } II 7° 65° 10'.2 }										H. M. S. 4 24 55 } II 8° 66° 13'.8 }										H. M. S. 4 29 11 } II 9° 67° 17'.6 }										H. M. S. 4 33 26 } II 10° 68° 21'.6 }										H. M. S. 4 37 42 } II 11° 69° 25'.6 }									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																								
Lat.	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓																							
22	6.8	7.0	6 7	3.9	4.6	7.8	7.9	7 5	5.0	5.6	8.8	8.9	8 3	6.0	6.7	9.8	9.9	9 2	7.0	7.7	10.7	10.9	10 0	8.1	8.8	11.7	11.8	10 59	9.2	9.8																													
23	7.0	2	6 17	9	5	8.0	8.2	7 15	4.9	5	9	9.2	8 13	0	6	9	10.1	9 11	0	6	9	11.1	10 9	1	7	9	12.1	11 8	1	7																													
24	2	5	6 28	9	4	1	4	7 25	9	5	9.1	4	8 22	5.9	5	10.1	4	9 20	0	5	11.0	3	10 18	0	6	12.0	3	11 16	1	6																													
25	3	7	6 38	9	3	3	7	7 35	9	4	3	6	8 32	9	4	2	6	9 29	6.9	4	2	6	10 27	0	5	2	5	11 24	0	5																													
26	5	8.0	6 49	8	4.2	4	9	7 45	8	5.3	4	9	8 42	9	6.3	4	8	9 39	9	7.3	4	8	10 36	7.9	4	3	7	11 33	8.9	4																													
27	7	2	6 59	3.8	1	6	9.2	7 55	8	2	6	10.1	8 52	8	2	5	11.1	9 48	8	2	5	12.0	10 44	9	8.3	5	13.0	11 41	9	9.3																													
28	8	5	7 10	8	1	8	4	8 6	4.8	1	8	4	9 1	8	1	7	3	9 57	8	1	7	3	10 53	8	2	7	2	11 50	8	2																													
29	8.0	7	7 21	8	0	9.0	7	8 16	8	0	9	6	9 11	5.8	0	9	5	10 7	8	0	9	5	11 2	8	1	8	4	11 58	8	1																													
30	2	9.0	7 31	7	3.9	1	9	8 26	7	4.9	10.1	8	9 21	7	5.9	11.1	8	10 16	6.7	6.9	12.0	7	11 11	7	0	13.0	7	12 7	7	0																													
31	4	2	7 42	7	8	3	10.2	8 36	7	8	3	11.1	9 31	7	8	2	12.0	10 25	7	8	2	13.0	11 20	7.7	7.9	2	9	12 15	8.7	8.9																													
32	5	5	7 53	3.7	7	5	4	8 47	7	7	5	3	9 41	7	7	4	3	10 35	6	7	4	2	11 29	6	7	3	14.2	12 24	6	8																													
33	7	8	8 4	7	6	7	7	8 57	4.6	6	6	6	9 51	6	6	6	5	10 44	6	6	6	5	11 38	6	6	5	4	12 33	6	6																													
34	9	10.0	8 14	6	5	9	11.0	9 8	6	5	8	9	10 1	5.6	5	8	8	10 54	6	5	8	8	11 48	5	5	7	7	12 41	5	5																													
35	9.1	3	8 25	6	3.4	10.1	2	9 18	6	4.4	11.0	12.2	10 11	6	5.4	12.0	13.1	11 4	6.5	6.4	13.0	14.0	11 57	5	7.4	9	9	12 50	5	8.4																													
36	3	6	8 37	6	2	3	5	9 29	6	2	2	4	10 21	5	3	2	3	11 13	5	3	2	3	12 6	7.4	3	14.1	15.2	12 59	8.4	3																													
37	5	9	8 48	3.6	1	5	8	9 40	6	1	4	7	10 31	5	1	4	5	11 23	4	1	4	5	12 16	4	1	3	5	13 8	3	1																													
38	7	11.2	8 59	6	0	7	12.1	9 50	4.6	0	7	13.0	10 42	4	0	6	8	11 33	4	0	6	7	12 25	3	0	5	7	13 17	3	0																													
39	10.0	5	9 10	5	2.9	9	4	10 1	5	3.9	9	3	10 52	5.4	4.9	8	14.1	11 43	3	5.9	8	15.0	12 35	3	6.9	8	9	13 26	2	7.9																													
40	2	8	9 22	5	8	11.1	7	10 12	5	8	12.1	6	11 3	4	7	13.1	4	11 53	6.3	7	14.0	3	12 44	7.3	7	15.0	16.2	13 35	8.2	7																													
41	4	12.2	9 33	5	6	4	13.1	10 23	5	6	4	14.0	11 13	3	6	3	8	12 4	3	6	3	6	12 54	2	6	2	5	13 44	1	6																													
42	7	5	9 45	3.5	5	7	4	10 35	5	5	6	3	11 24	3	5	6	15.1	12 14	2	5	5	16.0	13 4	2	4	5	8	13 54	1	4																													
43	11.0	8	9 57	4	2.4	9	7	10 46	4.5	3.3	9	6	11 35	5.3	4.3	8	4	12 24	2	5.3	8	3	13 14	2	6.3	7	17.1	14 3	0	3																													
44	2	13.1	10 9	4	2	12.2	14.0	10 58	4	2	13.1	9	11 46	2	2	14.1	7	12 35	1	2	15.0	6	13 24	7.1	1	16.0	5	14 13	7.9	1																													
45	5	4	10 21	4	1	5	3	11 10	4	0	4	15.2	11 58	2	0	4	16.1	12 46	6.1	0	3	9	13 34	1	0	3	8	14 23	9	6.9																													
46	8	8	10 34	4	0	8	7	11 22	4	2.9	7	5	12 9	1	3.9	6	4	12 57	0	4.9	6	17.3	13 45	0	5.8	6	18.1	14 33	8	8																													
47	12.1	14.2	10 46	3.3	1.9	13.0	15.0	11 34	3	8	14.0	9	12 21	5.1	7	9	7	13 8	0	8	9	6	13 55	0	7	8	4	14 43	8	6																													
48	4	5	10 59	3	7	3	3	11 46	4.3	7	3	16.2	12 32	1	5	15.2	17.0	13 19	0	6	16.2	9	14 6	6.9	6	17.1	7	14 53	7.7	4																													
49	7	8	11 12	3	5	7	7	11 58	3	5	6	5	12 44	0	4	5	4	13 31	5.9	4	5	18.2	14 17	9	4	4	19.1	15 3	7	6.2																													
50	13.1	15.2	11 26	3	4	14.0	16.1	12 11	2	2.3	9	9	12 57	0	2	9	8	13 42	9	2	8	6	14 28	8	2	7	4	15 14	6	1																													
51	4	6	11 39	3	3	3	5	12 24	2	2	15.2	17.3	13 9	4.9	0	16.2	18.2	13 54	9	1	17.1	19.0	14 39	7	1	18.1	8	15 25	6	0																													
52	8	16.0	11 53	3.2	1	7	9	12 37	4.1	1	6	7	13 22	9	2.8	5	6	14 6	8	3.9	5	4	14 51	6.7	4.9	4	20.2	15 36	7.5	5.8																													
53	14.2	4	12 7	2	0.9	15.1	17.3	12 51	1	1.9	9	18.1	13 35	8	6	9	19.0	14 19	5.7	7	9	8	15 3	6	7	7	6	15 47	4	6																													
54	6	9	12 22	2	7	5	7	13 5	0	7	16.3	5	13 48	8	4	17.3	4	14 31	7	5	18.3	20.2	15 15	6	5	19.1	21.0	15 58	4	4																													
55	15.0	17.4	12 36	2	5	9	18.2	13 19	0	5	8	19.0	14 1	7	1	7	8	14 44	6	3	7	6	15 27	5	3	6	4	16 10	3	2																													
56	5	9	12 51	1	3	16.4	7	13 33	3.9	3	17.3	4	14 15	6	1.9	18.2	20.2	14 57	5	1	19.1	21.0	15 40	4	1	20.1	8	16 22	3	0																													

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												15							
H. M. S. SID. T. 4 41 59 } II ARC 70° 29'.8 } 12°						H. M. S. 4 46 16 } II 13° 71° 34'.1 }						H. M. S. 4 50 34 } II 14° 72° 38'.5 }						H. M. S. 4 54 52 } II 15° 73° 43'.1 }						H. M. S. 4 59 11 } II 16° 74° 47'.7 }						H. M. S. 5 3 30 } II 17° 75° 52'.5 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌					
22	12.7	12.8	11 58	10.2	10.9	13.7	13.8	12 57	11.3	11.9	14.6	14.8	13 57	12.4	12.9	15.6	15.8	14 56	13.4	13.9	16.6	16.8	15 56	14.5	15.0	17.6	17.8	16 55	15.6	16.0					
23	8	13.0	12 6	2	8	8	14.0	13 5	2	8	8	15.0	14 4	3	8	8	16.0	15 3	4	8	8	17.0	16 2	4	14.9	7	18.0	17 1	5	15.9					
24	13.0	3	12 14	1	7	14.0	2	13 12	1	7	9	2	14 11	2	7	9	2	15 9	3	7	9	2	16 8	3	8	9	2	17 7	4	8					
25	1	5	12 22	0	6	1	5	13 20	1	6	15.1	4	14 18	1	6	16.1	4	15 16	2	6	17.1	4	16 14	2	7	18.0	4	17 13	3	7					
26	3	7	12 30	0	5	3	7	13 27	0	5	3	7	14 25	1	5	2	6	15 23	1	5	2	6	16 21	14.1	5	2	6	17 19	15.2	6					
27	5	9	12 38	9.9	10.3	4	9	13 35	10.9	11.4	4	9	14 32	0	12.4	4	8	15 29	0	13.4	4	8	16 27	1	4	4	8	17 24	1	5					
28	6	14.2	12 46	8	2	14.6	15.1	13 43	9	2	6	16.1	14 39	11.9	3	6	17.1	15 36	12.9	3	5	18.0	16 33	0	14.3	5	19.0	17 30	0	15.3					
29	8	4	12 54	8	1	8	4	13 50	8	1	7	3	14 46	8	2	7	3	15 43	9	2	7	2	16 39	13.9	2	7	2	17 36	14.9	2					
30	14.0	6	13 2	7	0	9	6	13 58	7	0	9	5	14 54	8	0	9	5	15 50	8	1	9	5	16 46	8	1	8	4	17 42	8	1					
31	1	9	13 10	9.7	9.9	15.1	8	14 6	7	10.9	16.1	8	15 1	7	11.9	17.1	7	15 56	7	12.9	18.0	7	16 52	7	0	19.0	6	17 48	7	0					
32	3	15.1	13 18	6	8	3	16.1	14 13	10.6	8	2	17.0	15 8	6	8	2	18.0	16 3	6	8	2	9	16 59	6	13.8	2	9	17 54	6	14.8					
33	5	4	13 27	5	7	5	3	14 21	5	7	4	2	15 16	11.5	7	4	2	16 10	12.5	7	4	19.1	17 5	13.5	7	4	20.1	18 0	14.5	7					
34	7	6	13 35	5	5	6	5	14 29	5	5	6	5	15 23	5	6	6	4	16 17	5	6	6	4	17 11	5	6	5	3	18 6	4	6					
35	9	9	13 43	9.4	9.4	8	8	14 37	4	10.4	8	7	15 30	4	11.4	8	7	16 24	4	12.4	8	6	17 18	4	4	7	5	18 12	3	4					
36	15.1	16.1	13 52	4	3	16.0	17.1	14 45	4	3	17.0	9	15 38	3	3	18.0	9	16 31	3	3	9	8	17 25	3	13.3	9	7	18 18	3	14.3					
37	3	4	14 0	3	1	2	3	14 53	10.3	1	2	18.1	15 45	11.2	1	2	19.1	16 38	12.2	2	19.1	20.0	17 31	13.3	2	20.1	9	18 24	14.2	1					
38	5	6	14 9	2	0	5	5	15 1	2	0	4	4	15 53	2	0	4	3	16 45	1	0	4	3	17 38	2	0	3	21.2	18 30	1	0					
39	7	9	14 17	9.2	8.9	7	8	15 9	1	9.9	6	7	16 1	1	10.9	6	6	16 53	1	11.9	6	5	17 45	1	12.9	6	4	18 37	0	13.9					
40	9	17.1	14 26	1	7	9	18.1	15 17	1	7	9	19.0	16 9	0	7	8	9	17 0	0	7	8	8	17 52	0	7	8	7	18 43	13.9	7					
41	16.2	4	14 35	1	6	17.1	3	15 26	0	6	18.1	2	16 17	10.9	6	19.1	20.2	17 7	11.9	5	20.0	21.1	17 58	12.9	5	21.0	22.0	18 50	8	5					
42	4	7	14 44	0	4	4	6	15 34	9.9	4	4	5	16 25	9	4	3	4	17 15	8	4	3	3	18 5	9	4	2	2	18 56	7	4					
43	7	18.0	14 53	8.9	3	7	9	15 43	9	3	6	8	16 33	8	2	6	7	17 23	7	2	5	6	18 13	8	2	5	5	19 3	6	2					
44	17.0	4	15 2	8	1	9	19.2	15 51	8	1	9	20.1	16 41	7	1	8	21.0	17 30	6	0	8	9	18 20	7	0	8	8	19 9	5	0					
45	2	7	15 11	8	7.9	18.2	5	16 0	7	8.9	19.1	4	16 49	10.6	9.9	20.1	3	17 38	11.5	10.9	21.1	22.2	18 27	6	11.9	22.0	23.1	19 16	13.4	12.9					
46	5	19.0	15 21	7	8	5	9	16 9	6	8	4	7	16 58	5	8	4	6	17 46	4	8	3	4	18 34	12.5	8	3	3	19 23	3	7					
47	8	3	15 30	7	7	7	20.2	16 18	9.6	6	6	21.0	17 6	4	6	6	9	17 54	4	6	5	7	18 42	3	6	5	6	19 30	2	5					
48	18.0	6	15 40	8.6	5	19.0	5	16 27	5	5	9	3	17 15	3	4	9	22.2	18 2	3	4	8	23.0	18 50	2	4	7	9	19 37	1	3					
49	3	9	15 50	6	3	3	8	16 37	5	3	20.2	6	17 24	10.2	2	21.2	5	18 10	11.2	2	22.1	3	18 57	1	2	23.0	24.2	19 44	0	1					
50	6	20.3	16 0	5	1	6	21.1	16 46	4	1	5	22.0	17 32	2	0	5	8	18 19	1	0	4	7	19 5	0	10.9	3	5	19 51	12.9	11.9					
51	9	6	16 10	4	6.9	9	5	16 56	9.3	7.9	8	3	17 41	1	8.8	8	23.2	18 27	0	9.8	7	24.0	19 13	11.9	7	6	9	19 59	8	7					
52	19.3	21.0	16 21	8.3	7	20.2	8	17 6	2	7	21.1	6	17 51	0	6	22.1	5	18 36	10.9	6	23.0	3	19 21	8	5	9	25.2	20 6	6	5					
53	7	4	16 31	3	5	6	22.2	17 16	1	5	5	23.0	18 0	9.9	4	4	8	18 45	8	4	4	6	19 29	6	3	24.3	5	20 14	5	3					
54	20.1	8	16 42	2	3	21.0	6	17 26	0	3	9	4	18 10	8	2	8	24.2	18 54	7	2	8	25.0	19 38	5	1	7	8	20 22	12.3	1					
55	5	22.2	16 53	1	1	4	23.0	17 36	8.9	0	22.3	8	18 20	7	0	23.2	6	19 3	6	8.9	24.2	4	19 46	4	9.8	25.1	26.2	20 30	2	10.8					
56	21.0	6	17 4	0	5.9	9	4	17 47	8	6.8	8	24.2	18 30	6	7.8	7	25.0	19 12	5	7	6	8	19 55	2	6	5	6	20 38	1	5					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

16		UPPER MERIDIAN, CUSP OF 10th H.																																				
H. M. S. SID. T. 5 3 30 } II ARC 75° 52'.5 } 17°						H. M. S. 5 7 49 } II 18° 76° 57'.3 }						H. M. S. 5 12 9 } II 19° 78° 2'.2 }						H. M. S. 5 16 29 } II 20° 79° 7'.2 }						H. M. S. 5 20 49 } II 21° 80° 12'.3 }						H. M. S. 5 25 10 } II 22° 81° 17'.4 }								
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3			
Lat.	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌			
22	17.6	17.8	16 55	15.6	16.0	18.6	18.8	17 55	16.6	17.1	19.6	19.8	18 55	17.7	18.1	20.6	20.8	19 55	18.7	19.1	21.6	21.8	20 55	19.8	20.2	22.6	22.8	21 55	20.8	21.2								
23	7 18.0	17 1	5 15.9	7 19.0	18 1	5 0	7 20.0	19 0	6 0	7 21.0	20 0	6 0	7 22.0	20 59	6 0	7 23.0	21 58	6 0	7 24.0	22 57	6 0	7 25.0	23 56	6 0	7 26.0	24 55	6 0	7 27.0	25 54	6 0	7 28.0	26 53	6 0	7 29.0	27 52	6 0		
24	9 2 17	7 4	8 9	2 18	6 4	16.8	9 2 19	5 5	17.9	9 3 20	4 4	5 18.9	9 3 21	3 5	19.9	9 4 22	3 4	5 20.9	9 4 23	3 3	5 21.9	9 5 24	3 2	5 22.9	9 6 25	3 1	5 23.9	9 7 26	3 0	5 24.9	9 8 27	3 0	5 25.9	9 9 28	3 0			
25	18.0	4 17	13 3	7 19.0	4 18	11 3	7 20.0	4 19	10 4	7 21.0	3 20	9 4	8 22.0	3 21	7 4	8 23.0	3 22	6 5	8 24.0	3 23	5 7	8 25.0	3 24	4 8	8 26.0	3 25	3 6	8 27.0	3 26	2 7	8 28.0	3 27	1 8	8 29.0	3 28	0 9		
26	2 6 17	19 15.2	6 2	6 18	17 16.2	6 2	6 19	15 17.3	6 2	5 20	13 18.3	6 2	5 21	12 19.3	7 2	5 22	10 20.3	7 2	4 21	9 21.3	7 2	3 20	8 21.3	7 2	2 19	7 20	1 18	6 19	1 17	5 18	1 16	4 17	1 15	3 16	1 14			
27	4 8 17	24 1	5 3	8 18	22 1	5 3	8 19	20 1	5 3	7 20	18 2	5 3	7 21	16 2	6 3	7 22	14 2	6 3	7 23	12 2	6 3	7 24	10 2	6 3	7 25	8 2	6 3	7 26	6 2	6 3	7 27	5 2	6 3	7 28	4 2	6 3		
28	5 19.0	17 30	0 15.3	5 20.0	18 27	0 16.4	5 21.0	19 25	0 17.4	5 22.0	20 29	0 18.4	5 23.0	21 33	0 19.4	5 24.0	22 37	0 20.4	5 25.0	23 41	0 21.4	5 26.0	24 45	0 22.4	5 27.0	25 49	0 23.4	5 28.0	26 53	0 24.4	5 29.0	27 57	0 25.4	5 30.0	28 51	0 26.4		
29	7 2 17	36 14.9	2 7	2 18	33 15.9	2 7	2 19	30 16.9	3 6 22.1	20 27	0 3	6 23.1	21 24	0 3	6 24.1	22 21	0 3	6 25.1	23 18	0 3	6 26.1	24 15	0 3	6 27.1	25 12	0 3	6 28.1	26 9	0 3	6 29.1	27 6	0 3	6 30.1	28 3	0 3			
30	8 4 17	42 8	1 8	4 18	38 8	1 8	4 19	35 8	1 8	3 20	31 17.8	1 8	3 21	28 18.9	2 8	3 22	25 19.9	2 8	3 23	22 20.9	2 8	3 24	19 21.9	2 8	3 25	16 22.9	2 8	3 26	13 23.9	2 8	3 27	10 24.9	2 8	3 28	7 25.9	2 8		
31	19.0	6 17	48 7	0 20.0	6 18	44 7	0 21.0	6 19	40 7	0 22.0	5 20	36 7	0 23.0	5 21	32 7	0 24.0	5 22	28 7	0 25.0	5 23	24 7	0 26.0	5 24	20 7	0 27.0	5 25	16 7	0 28.0	5 26	12 7	0 29.0	5 27	8 7	0 30.0	5 28			
32	2 9 17	54 6	14.8	2 8 18	49 6	15.9	2 8 19	45 6	16.9	1 8 20	41 6	17.9	1 7 21	36 6	18.9	1 7 22	32 6	19.9	1 6 23	27 6	20.9	1 6 24	23 6	21.9	1 5 25	19 6	22.9	1 4 26	17 6	23.9	1 3 27	14 6	24.9	1 2 28	10 6			
33	4 20.1	18 0	14.5	7 3 21.0	18 55	15.5	7 3 22.0	19 50	5 7	3 23.0	20 45	5 7	3 24.0	21 40	5 8	3 25.0	22 35	5 8	3 26.0	23 30	5 8	3 27.0	24 25	5 8	3 28.0	25 20	5 8	3 29.0	26 15	5 8	3 30.0	27 10	5 8	3 31.0	28 5	5 8		
34	5 3 18	6 4	6 5	3 19	0 4	6 5	2 19	55 16.4	6 5	2 20	50 4	6 5	2 21	45 4	6 5	2 22	40 4	6 5	2 23	35 4	6 5	2 24	30 4	6 5	2 25	25 4	6 5	2 26	20 4	6 5	2 27	15 4	6 5	2 28	10 4	6 5		
35	7 5 18	12 3	4 7	5 19	6 3	4 7	4 20	0 3	4 7	4 20	55 17.3	4 7	3 21	49 3	5 6	3 22	43 3	5 6	3 23	37 3	5 6	3 24	31 3	5 6	3 25	25 3	5 6	3 26	19 3	5 6	3 27	13 3	5 6	3 28	7 3	5 6		
36	9 7 18	18 3	14.3	9 7 19	12 3	15.3	9 6 20	5 2	16.3	9 5 21	59 2	17.3	8 5 22	53 2	18.3	8 4 23	47 2	19.3	8 3 24	41 2	20.3	8 2 25	35 2	21.3	8 1 26	29 2	22.3	7 0 27	23 2	23.3	6 0 28	17 2	24.3	5 0 29	11 2			
37	20.1	9 18	24 14.2	1 21.1	9 19	17 15.2	1 22.1	8 20	11 1	1 23.1	7 21	4 1	1 24.0	7 21	57 0	1 25.0	7 22	51 0	1 26.0	7 23	45 0	1 27.0	7 24	39 0	1 28.0	7 25	33 0	1 29.0	7 26	27 0	1 30.0	7 27	21 0	1 31.0	7 28			
38	3 21.2	18 30	1 0	3 22.1	19 23	1 0	3 23.0	20 16	0 0	3 24.0	21 9	0 0	2 9 22	2 17.9	0 2	9 23	10 17.9	0 2	9 24	11 17.9	0 2	9 25	12 17.9	0 2	9 26	13 17.9	0 2	9 27	14 17.9	0 2	9 28	15 17.9	0 2	9 29	16 17.9	0 2		
39	6 4 18	37 0	13.9	5 4 19	29 0	14.8	5 3 20	21 15.9	15.8	5 2 21	14 16.9	16.8	4 25.1	22 6	8 17.8	4 26.1	22 59	8 18.8	4 27.1	22 52	8 19.7	4 28.1	22 45	8 20.6	4 29.1	22 38	8 21.5	4 30.1	22 31	8 22.4	4 31.1	22 24	8 23.3	4 32.1	22 17			
40	8 7 18	43 13.9	7 7	6 19	35 14.9	7 7	5 20	27 8	7 7	5 21	19 8	7 6	4 22	10 7	7 6	4 23	2 7	7 6	4 24	12 7	7 6	4 25	4 7	7 6	4 26	14 7	7 6	4 27	16 7	7 6	4 28	18 7	7 6	4 29	20 7	7 6		
41	21.0	22.0	18 50	8 5 22.0	9 19	41 8	5 9	8 20	32 7	5 9	7 21	23 7	5 9	6 22	15 6	5 8	5 23	6 6	5 8	5 24	7 4	5 9	5 25	8 2	5 10	5 26	9 0	5 11	5 27	10 0	5 12	5 28	11 0	5 13	5 29	12 0		
42	2 2 18	56 7	4 2 23.1	19 47	7 3 23.2	24.0	20 38	6 3 24.1	25.0	21 28	6 3 25.1	9 22	19 17.4	3 26.1	8 23	10 18.5	3	26.1	8 23	10 18.5	3	27.1	9 24	19 18.5	3	28.1	10 25	19 18.5	3	29.1	11 32	19 18.5	3	30.1	12 39	19 18.5	3	
43	5 5 19	3 6	2 5	4 19	53 6	2 4	3 20	43 4	1 4	2 21	34 16.5	1 3 26.1	22 24	3 1	3 27.0	23 14	3 1	3 28.0	24 4	3 1	3 29.0	25 14	3 1	3 30.0	26 24	3 1	3 31.0	27 34	3 1	3 32.0	28 44	3 1	3 33.0	29 54	3 1	3 34.0	30 4	
44	8 8 19	9 5	0 7	7 19	59 14.5	0 7	6 20	49 15.3	0 6	5 21	39 15.9	6 4 22	29 2	16.9	6 3 23	19 2	16.9	6 2 24	9 2	16.9	6 1 25	0 2	16.9	6 0 26	0 2	16.9	5 0 27	0 2	16.9	4 0 28	0 2	16.9	3 0 29	0 2	16.9	2 0 30	0 2	
45	22.0	23.1	19 16	13.4	12.9	23.0	24.0	20 5	4 13.9	9 9 20	55 2	14.9	9 7 21	44 2	8 9 6 22	33 0	8 8 5 23	23 0	8 7 4 24	13 0	8 6 3 25	3 0	8 5 2 26	0 8	8 4 1 27	0 8	8 3 0 28	0 8	8 2 0 29	0 8	8 1 0 30	0 8	8 0 0 31	0 8	8 0 0 32	0 8		
46	3 3 19	23 3	7 2	2 20	12 2	7 24.1	25.1	21 0	1 7 25.1	26.0	21 49	1 6 26.1	9 22	38 16.9	6 27.0	7 23	27 17.8	6	27.0	7 23	27 17.8	6	28.0	8 24	17 17.8	6	29.0	9 30	17 17.8	6	30.0	10 36	17 17.8	6	31.0	11 42	17 17.8	6
47	5 6 19	30 2	5 4	4 20	18 0	5 3	3 21	6 0	5 3	2 21	55 15.9	4 3 27.2	22 43	7 4	2 28.0	23 31	6 4	2 29.0	24 20	6 4	2 30.0	25 8	6 4	2 31.0	26 17	6												

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												17							
H. M. S. SID. T. 5 29 30 } II ARC 82° 22'.8 } 23°						H. M. S. 5 33 51 } II 24° 83° 27'.8 }						H. M. S. 5 38 12 } II 25° 84° 33'.1 }						H. M. S. 5 42 34 } II 26° 85° 38'.5 }						H. M. S. 5 46 55 } II 27° 86° 43'.8 }						H. M. S. 5 51 17 } II 28° 87° 49'.2 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌					
22	23.6	23.8	22 56	21.8	22.2	24.6	24.8	23 56	22.8	23.2	25.6	25.8	24 57	23.8	24.3	26.6	26.8	25 57	24.8	25.3	27.6	27.8	26 58	25.9	26.3	28.6	28.9	27 58	26.9	27.3					
23	7 24.0	22 59	7	1		7 25.0	23 59	6	1		7 26.0	24 59	8	1		7 27.0	25 59	7	2		7 28.0	26 59	8	2		7 29.0	27 59	8	2						
24	9	1 23	2	6	0	8	2 24	2	5	0	9	1 25	1	6	0	9	2 26	1	6	0	9	2 27	1	6	0	9	2 28	0	6	1					
25	24.0	3 23	5	5	21.8	25.0	3 24	4	4	22.9	26.0	3 25	3	5	23.9	27.0	3 26	3	5	24.9	28.0	3 27	2	5	25.9	29.0	4 28	1	5	26.9					
26	2	5 23	9	21.4	7	1	5 24	7	22.3	7	2	5 25	6	23.3	8	2	5 26	4	24.3	8	2	5 27	3	25.4	8	2	5 28	2	26.4	8					
27	3	7 23	12	2	6	3	7 24	10	2	6	3	7 25	8	2	6	3	7 26	6	2	6	3	7 27	5	2	6	3	7 28	3	2	7					
28	5	9 23	15	1	5	4	9 24	13	0	5	5	9 25	10	1	5	5	9 26	8	1	5	5	8 27	6	1	5	5	8 28	4	1	5					
29	24.6	25.1	23 18	0	21.3	25.6	26.1	24 15	21.9	22.3	26.6	27.0	25 13	22.9	23.3	27.6	28.0	26 10	23.9	24.4	28.6	29.0	27	7	24.9	25.4	29.6	♊	28	5	25.9	26.4			
30	8	2 23	21	20.9	2	8	2 24	18	8	2	8	2 25	15	8	2	8	2 26	12	8	2	8	2 27	9	8	2	8	0.2	28	6	8	2				
31	9	4 23	25	8	0	9	4 24	21	7	1	9	4 25	17	7	1	9	4 26	14	7	1	9	3 27	10	7	1	9	3 28	7	7	1					
32	25.1	6 23	28	6	20.9	26.1	6 24	24	6	21.9	27.1	6 25	20	5	22.9	28.1	6 26	16	5	23.9	29.1	5 27	12	5	24.9	0.1	5 28	8	5	25.9					
33	3	8 23	31	5	8	3	8 24	27	21.4	8	3	8 25	22	22.4	8	3	7 26	17	23.4	8	2	7 27	13	24.4	8	2	7 28	9	25.4	8					
34	4 26.0	23 34	20.4	6		4 27.0	24 29	3	6		4 28.0	25 24	3	6		4	9 26	19	2	6	4	9 27	14	3	6	4	8 28	10	2	6					
35	6	2 23	38	3	5	6	2 24	32	2	5	6	1 25	27	1	5	6	29.1	26 21	1	5	6	0.1	27 16	1	5	6	1.0	28 11	1	4					
36	8	4 23	41	1	20.3	8	4 24	35	0	21.3	8	3 25	29	0	22.3	8	3 26	23	0	23.3	8	3 27	17	0	3	8	2 28	11	24.9	3					
37	26.0	7 23	44	0	1	27.0	6 24	38	20.9	1	28.0	5 25	31	21.9	1	0	5 26	25	22.8	1	9	4 27	19	23.9	1	9	4 28	12	7	1					
38	2	9 23	48	19.9	0	2	8 24	41	8	0	2	7 25	34	7	0	29.2	7 26	27	7	0	0.1	6 27	20	8	23.9	1.1	5 28	13	6	24.9					
39	4 27.1	23 51	7	19.8		4 28.0	24 44	7	20.8		4	9 25	36	6	21.8	3	9 26	29	5	22.8	3	8 27	22	6	8	3	7 28	14	4	7					
40	6	3 23	54	6	6	6	2 24	47	6	6	6	29.1	25 39	4	6	5	0.1	26 31	4	6	5	1.0	27 23	4	6	5	9 28	15	2	6					
41	8	5 23	58	5	4	8	5 24	50	20.5	4	8	3 26	41	21.3	4	8	3 26	33	2	4	7	2 27	25	3	4	7	2.1	28 16	1	4					
42	27.1	7 24	1	19.3	3	28.0	7 24	53	3	2	29.0	5 25	44	1	2	♌	5 26	35	0	2	9	4 27	26	1	2	9	3 28	17	23.9	2					
43	3	9 24	5	2	1	2	9 24	56	2	0	2	7 25	46	0	0	0.2	8 26	37	21.9	0	1.2	7 27	28	22.9	0	2.1	5 28	18	7	0					
44	5 28.2	24	9	0	18.9	4 29.2	24 59	0	19.8		5	9 25	49	20.8	20.9	4	1.0	26 39	7	21.8	4	9 27	29	8	22.8	3	7 28	19	6	23.8					
45	8	4 24	12	18.9	7	6	4 25	2	19.8	6	7	0.1	25 51	6	7	6	2 26	41	5	6	6	2.1	27 31	6	6	5	9 28	20	4	6					
46	28.0	7 24	16	7	5	8	6 25	5	7	5	9	4 25	54	5	5	8	4 26	43	4	4	8	3 27	32	4	4	7	3.1	28 21	3	4					
47	2	9 24	20	5	3	29.0	8 25	8	5	3	0.1	6 25	57	3	2	1.0	6 26	45	3	2	2.0	5 27	34	2	2	9	4 28	22	1	2					
48	4 29.1	24 23	4	1	3	0.1	25 11	3	1	3	9 25	59	1	0	2	8 26	47	1	0	2	7 27	35	0	0	3.2	6 28	24	22.9	0						
49	7	4 24	27	18.2	17.9	6	3 25	15	2	18.9	6	1.1	26	2	19.9	19.8	5	2.1	26 50	20.9	20.8	5	9 27	37	21.8	21.8	4	8 28	25	7	22.8				
50	29.0	7 24	31	1	7	9	6 25	18	0	6	9	4 26	5	8	6	8	3 26	52	7	6	8	3.2	27 39	6	5	7	4.1	28 26	5	5					
51	3	9 24	35	0	5	0.2	9 25	21	18.8	4	1.2	6 26	8	7	4	2.1	6 26	54	5	3	3.1	5 27	40	4	3	4.0	3 28	27	3	2					
52	6	0.2	24 39	17.8	3	5	1.1	25 25	6	2	5	9 26	11	5	1	4	8 26	56	3	1	4	7 27	42	2	0	3	5 28	28	1	21.9					
53	9	5 24	43	6	0	8	4 25	29	4	17.9	8	2.2	26 14	3	18.8	7	3.0	26 59	1	19.8	7	9 27	44	0	20.7	6	7 28	29	21.9	6					
54	0.2	8 24	48	4	16.7	1.1	7 25	32	2	6	2.1	5 26	17	1	5	3.0	3 27	1	19.9	5	4.0	4.2	27 46	20.8	4	9	5.0	28 31	7	3					
55	6	1.1	24 52	2	4	5	2.0	25 36	0	3	5	8 26	20	18.9	2	4	6 27	4	7	2	3	5 27	48	6	1	5.2	3 28	32	4	0					
56	1.0	4 24	56	0	1	9	3 25	40	17.8	0	9	3.1	26 23	7	17.9	8	9 27	6	5	18.9	7	8 27	50	4	19.8	6	6 28	33	1	20.7					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

18					UPPER MERIDIAN, CUSP OF 10th H.																															
H. M. S. SID. T. 5 51 17 } II ARC 87° 49'.2 } 28°					H. M. S. 5 55 38 } II 29° 88° 54'.6 }					H. M. S. 6 0 0 } 30° 0' 90° 0'.0 }					H. M. S. 6 4 22 } 30° 1' 91° 5'.4 }					H. M. S. 6 8 43 } 30° 2' 92° 10'.8 }					H. M. S. 6 13 5 } 30° 3' 93° 16'.2 }											
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	
Lat.	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
22	28.6	28.9	27.58	26.9	27.3	29.6	29.9	28.59	28.0	28.4	0.6	1.0	0 0	29.0	29.4	1.6	2.0	1 1	0.1	0.4	2.7	3.1	2 2	1.1	1.4	3.7	4.1	3 2	2.2	2.4						
23	7 29.0	27.59	8	2	7	7	29	0	27.8	2	7	1 0	0	28.9	3	8	2 1	0	3	8	2 2	1	0	3	8	2 3	1	0	3							
24	9	2 28	0	6	1	9	2 29	0	7	1	9	3 0	0	7	1	9	3 1	0	29.8	1	9	4 2	0	0.8	1	4.0	4	2 59	1.8	1						
25	29.0	4 28	1	5	26.9	9	4 29	1	6	0	1.0	4	0	0	6	0	2.0	4	0 59	6	0	3.1	5	1 59	6	0	1	5	2 58	7	0					
26	2	5 28	2	26.4	8	0.2	5 29	1	4	27.8	2	1.6	0	0	4	28.8	2	2.6	0 59	5	29.8	2	3.6	1 58	5	0.8	2	4.6	2 57	5	1.8					
27	3	7 28	3	2	7	3	7 29	1	27.3	7	3	7	0	0	28.3	7	3	7	0 59	3	7	3	8	1 57	3	7	4	8	2 55	3	7					
28	5	8 28	4	1	5	4	8 29	2	1	5	4	9	0	0	1	6	5	9	0 58	2	6	5	9	1 56	2	5	4.5	9	2 54	2	5					
29	29.6	7 28	5	25.9	26.4	0.6	1.0	29	2	0	4	1.6	2.0	0	0	0	4	2.6	3.0	0 58	0	4	3.6	4.1	1 55	0	4	6	5.1	2 53	0	4				
30	8	0.2	28	6	8	2	7	1 29	3	26.8	2	8	2 0	0	27.8	2	8	2	0 57	28.9	3	8	2	1 54	29.8	2	8	2	2 51	0.8	2					
31	9	3 28	7	7	1	9	3 29	3	7	1	9	4	0	0	6	1	9	3	0 57	7	1	9	3	1 53	7	1	9	3	2 50	7	1					
32	0.1	5 28	8	5	25.9	1.1	5 29	4	5	26.9	2.1	5	0	0	5	27.9	3.1	5	0 56	5	28.9	4.1	5	1 52	5	29.9	5.1	5	2 48	5	0.9					
33	2	7 28	9	25.4	8	2	7 29	4	3	8	2	7	0	0	3	8	2	7	0 56	3	8	2	4.6	1 51	3	8	2	5.6	2 47	3	8					
34	4	8 28	10	2	6	4	8 29	5	2	6	4	9	0	0	1	6	4	8	0 55	2	6	4	8	1 50	2	6	4	7	2 46	1	6					
35	6	1.0	28	11	1	4	6	2.0	29	5	0	4	5	3.0	0	0	0	5	6	4.0	0 55	0	4	6	9	1 49	0	4	5	9	2 44	29.9	4			
36	8	2 28	11	24.9	3	7	2 29	6	25.9	3	7	2	0	0	26.8	3	7	1	0 54	27.8	3	7	5.1	1 49	28.8	2	7	6.0	2 43	7	2					
37	9	4 28	12	7	1	9	3 29	6	8	1	9	4	0	0	6	1	9	2	0 54	7	1	9	3	1 48	6	1	9	1	2 41	6	1					
38	1.1	5 28	13	6	24.9	2.1	5 29	7	6	25.9	3.1	5	0	0	5	26.9	4.1	4	0 53	5	27.9	5.1	4	1 47	5	28.9	6.1	2	2 40	4	29.9					
39	3	7 28	14	4	7	3	7 29	7	5	7	3	7	0	0	3	7	3	4.5	0 53	3	7	3	6	1 46	3	7	2	4	2 38	2	7					
40	5	9 28	15	2	6	5	9 29	8	25.3	6	5	8	0	0	2	5	4	7	0 52	1	5	4	8	1 45	1	5	4	6.6	2 37	0	5					
41	7	2.1	28	16	1	4	7	3.1	29	8	1	4	7	4.0	0	0	0	3	6	9	0 52	26.9	3	6	9	1 44	27.9	3	6	7	2 35	28.8	3			
42	9	3 28	17	23.9	2	9	3 29	9	0	2	9	2	0	0	25.8	1	8	5.0	0 51	7	1	8	6.1	1 43	7	1	8	9	2 34	6	1					
43	2.1	5 28	18	7	0	3.1	5 29	9	24.8	24.9	4.1	4	0	0	6	25.9	5.1	2	0 51	5	26.9	6.0	3	1 42	5	27.9	7.0	7.1	2 32	3	28.8					
44	3	7 28	19	6	23.8	3	7 29	10	6	7	3	5	0	0	5	7	3	4	0 50	3	7	2	4	1 41	3	7	2	2	2 31	1	6					
45	5	9 28	20	4	6	6	9 29	10	4	5	5	7	0	0	3	5	5	6	0 50	1	4	4	6	1 40	1	5	4	4	2 29	27.9	4					
46	7	3.1	28	21	3	4	8	4.1	29	11	2	3	7	9	0	0	1	3	7	8	0 49	25.9	2	6	7	1 39	26.9	3	6	6	2 28	7	2			
47	9	4 28	22	1	2	4.0	3 29	11	23.9	1	9	5.1	0	0	24.9	1	9	6.1	0 49	7	0	8	9	1 38	6	1	8	8	2 26	5	0					
48	3.2	6 28	24	22.9	0	2	5 29	12	7	23.9	5.1	3	0	0	7	24.9	6.1	3	0 48	5	25.8	7.0	7.1	1 36	4	26.8	8.0	8.0	2 25	3	27.8					
49	4	8 28	25	7	22.8	5	7 29	12	5	7	3	6	0	0	4	7	3	5	0 48	3	5	2	3	1 35	2	6	2	2	2 23	1	5					
50	7	4.1	28	26	5	5	7	9 29	13	3	4	6	8	0	0	2	4	6	7	0 47	1	3	5	5	1 34	25.9	3	5	4	2 21	26.8	2				
51	4.0	3 28	27	3	2	5.0	5.1	29	13	1	2	9	6.0	0	0	0	1	8	9	0 47	24.9	0	8	7	1 33	7	0	7	6	2 20	5	26.9				
52	3	5 28	28	1	21.9	3	3 29	14	22.9	22.9	6.2	2	0	0	23.8	23.8	7.1	7.1	0 46	7	24.7	8.1	9	1 32	5	25.7	9.0	8	2 18	3	6					
53	6	7 28	29	21.9	6	6	5 29	15	7	6	5	4	0	0	6	5	4	3	0 45	5	4	4	8.1	1 31	3	4	3	9.0	2 16	1	3					
54	9	5.0	28	31	7	3	9	8 29	15	5	3	8	7	0	0	3	2	7	5	0 45	2	1	7	3	1 29	0	1	6	2	2 14	25.8	0				
55	5.2	3 28	32	4	0	6.2	6.1	29	16	2	0	7.1	7.0	0	0	0	22.9	8.0	8	0 44	23.9	23.8	9.0	6	1 28	24.7	24.8	9	4	2 12	5	25.7				
56	6	6 28	33	1	20.7	5	3 29	16	0	21.7	4	2	0	0	22.8	6	3	8.0	0 44	7	5	3	9	1 27	4	4	10.2	6	2 10	2	3					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									19					
H. M. S. SID. T. 6 17 26 } $\overline{50}$ ARC 94° 21'5 } $\overline{40}$						H. M. S. 6 21 47 } $\overline{50}$ 5°					H. M. S. 6 26 9 } $\overline{50}$ 6°					H. M. S. 6 30 30 } $\overline{50}$ 7°					H. M. S. 6 34 50 } $\overline{50}$ 8°					H. M. S. 6 39 11 } $\overline{50}$ 9°				
H.	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8
Lat.	Q	W	A	M	f	Q	W	A	M	f	Q	W	A	M	f	Q	W	A	M	f	Q	W	A	M	f	Q	W	A	M	f
22	4.7	5.2	4 3	3.2	3.4	5.7	6.2	5 3	4.2	4.4	6.8	7.2	6 4	5.2	5.4	7.8	8.3	7 4	6.2	6.4	8.8	9.2	8 5	7.2	7.4	9.8	10.2	9 5	8.2	8.4
23	8	3	4 1	0	3	9	3	5 1	0	3	9	4	6 1	0	3	9	4	7 1	0	3	9	3	8 1	1	3	10.0	4	9 1	0	3
24	5.0	4	3 59	2.8	1	6.0	4	4 59	3.9	1	7.0	5	5 58	4.8	2	8.0	5	6 58	5.9	1	9.1	4	7 58	6.9	1	1	5	8 57	7.8	1
25	1	5	3 57	7	0	1	5	4 57	7	0	1	6	5 56	7	0	2	6	6 55	7	0	2	5	7 54	7	0	2	6	8 53	7	0
26	2	5.7	3 56	5	2.8	2	6.7	4 54	5	3.8	3	7	5 53	5	4.9	3	7	6 51	5	5.8	3	9.7	7 50	5	6.8	3	10.7	8 48	5	7.8
27	4	8	3 54	3	7	4	8	4 52	3	7	4	8	5 50	3	7	4	8	6 48	3	7	4	8	7 47	3	7	10.4	8	8 44	3	7
28	5.5	9	3 52	1	5	6.5	9	4 50	1	5	7.5	8.0	5 47	1	6	8.5	9.0	6 45	1	5	9.6	9	7 43	1	5	6	9	8 40	1	5
29	6	6.1	3 50	0	4	7	7.1	4 47	0	4	7	1	5 45	3.9	4	7	1	6 42	4.9	4	7	10.0	7 39	5.9	4	7	11.0	8 36	6.9	4
30	8	2	3 48	1.8	2	8	2	4 45	2.8	2	8	2	5 42	8	2	8	2	6 39	8	2	8	1	7 35	7	2	8	1	8 32	7	2
31	9	3	3 46	6	1	9	3	4 43	6	1	9	3	5 39	6	1	9.0	3	6 35	6	1	10.0	3	7 32	5	1	11.0	3	8 28	5	0
32	6.1	5	3 44	4	1.9	7.1	5	4 40	4	2.9	8.1	8.4	5 36	4	3.9	1	4	6 32	4	4.9	1	4	7 28	3	5.9	1	4	8 24	3	6.9
33	2	6.6	3 43	3	7	2	7.6	4 38	2	7	2	6	5 33	2	7	2	9.6	6 29	2	7	2	10.5	7 24	1	7	2	11.5	8 20	1	7
34	4	8	3 41	1	6	4	7	4 36	0	6	4	7	5 31	0	6	4	7	6 26	0	6	4	6	7 21	4.9	5	4	6	8 15	5.9	5
35	5	9	3 39	0.9	4	5	9	4 33	1.9	4	5	8	5 28	2.8	4	9.5	8	6 22	3.8	4	10.5	7	7 17	7	4	11.5	7	8 11	7	3
36	7	7.0	3 37	7	2	7	8.0	4 31	7	2	7	9.0	5 25	6	2	7	9	6 19	6	2	7	9	7 13	5	2	7	8	8 7	5	2
37	9	2	3 35	5	0	9	1	4 29	5	0	9	1	5 22	4	0	9	10.1	6 16	3	0	9	11.0	7 9	3	0	9	12.0	8 3	3	0
38	7.0	3	3 33	3	0.8	8.0	3	4 26	3	1.8	9.0	2	5 19	2	2.8	10.0	2	6 12	1	3.8	11.0	1	7 5	1	4.8	12.0	1	7 58	1	5.8
39	2	5	3 31	1	7	2	4	4 24	1	6	2	3	5 16	0	6	2	3	6 9	2.9	6	2	2	7 1	3.9	6	2	2	7 54	4.9	6
40	4	6	3 29	29.9	5	4	8.6	4 21	0.9	4	4	9.4	5 13	1.8	4	4	5	6 6	7	4	4	3	6 58	7	4	3	3	7 50	6	4
41	6	8	3 27	7	2	6	7	4 19	7	2	6	5	5 10	5	2	6	10.6	6 2	5	2	5	11.4	6 54	5	2	5	12.4	7 45	4	1
42	8	8.0	3 25	5	0	8	9	4 16	5	0	8	7	5 7	3	0	7	7	5 59	3	2.9	7	5	6 50	2	3.9	7	6	7 41	1	4.9
43	8.0	1	3 23	2	29.8	9.0	9.0	4 14	3	0.8	10.0	8	5 4	1	1.8	9	9	5 55	1	7	9	7	6 46	0	7	9	7	7 36	3.9	7
44	2	3	3 21	0	6	2	2	4 11	1	5	2	10.0	5 1	0.8	6	11.1	11.0	5 51	1.8	5	12.1	8	6 41	2.7	4	13.1	8	7 31	6	4
45	4	5	3 19	28.8	4	4	4	4 9	29.9	3	4	2	4 58	6	4	3	2	5 48	6	2	2	12.0	6 37	5	2	2	13.0	7 27	4	1
46	6	8.6	3 17	6	2	6	5	4 6	6	1	5	3	4 55	4	2	5	3	5 44	3	0	4	2	6 33	3	0	4	1	7 22	1	3.9
47	8	7	3 15	4	0	8	7	4 3	4	29.9	7	5	4 52	2	0	7	5	5 40	1	1.8	6	4	6 29	0	2.8	6	3	7 17	2.8	7
48	9.0	9	3 13	2	28.8	10.0	9	4 1	1	7	9	7	4 49	29.9	0.7	9	11.7	5 37	0.9	6	9	5	6 25	1.8	6	8	4	7 12	5	5
49	2	9.1	3 10	27.9	5	2	10.1	3 58	28.9	4	11.1	8	4 45	7	4	12.1	8	5 33	6	3	13.1	7	6 20	5	3	14.0	13.6	7 7	3	2
50	4	3	3 8	7	2	4	2	3 55	6	1	4	11.0	4 42	4	1	3	9	5 29	3	0	3	8	6 16	2	0	2	7	7 2	0	2.9
51	7	5	3 6	4	27.9	6	3	3 52	4	28.8	6	2	4 39	1	29.8	5	12.0	5 25	1	0.7	5	13.0	6 11	0.9	1.7	4	8	6 57	1.7	6
52	9	7	3 4	2	6	9	5	3 49	1	5	8	4	4 35	28.9	5	7	2	5 21	29.8	4	7	1	6 6	6	4	6	9	6 52	4	3
53	10.2	9	3 1	0	3	11.2	7	3 46	27.8	2	12.1	6	4 31	6	2	13.0	4	5 17	5	1	9	2	6 2	3	1	9	14.1	6 47	1	0
54	5	10.1	2 59	26.7	0	5	9	3 43	5	27.9	4	8	4 28	3	28.9	3	6	5 12	2	29.8	14.2	4	5 57	0	0.7	15.2	3	6 41	0.8	1.6
55	8	3	2 56	4	26.6	8	11.1	3 40	2	5	7	12.0	4 24	0	5	6	8	5 8	28.9	4	5	6	5 52	29.7	3	5	5	6 36	5	2
56	11.1	5	2 54	1	2	12.1	3	3 37	26.9	1	13.0	2	4 20	27.7	1	9	13.0	5 3	6	0	8	8	5 47	3	29.9	8	7	6 30	1	0.8

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

20																														
UPPER MERIDIAN, CUSP OF 10th H.																														
H. M. S. SID. T. 6 39 11 } 9° ARC 99° 47'.7 }						H. M. S. 6 43 31 } 10° 100° 52'.8 }					H. M. S. 6 47 51 } 11° 101° 57'.8 }					H. M. S. 6 52 11 } 12° 103° 2'.7 }					H. M. S. 6 56 30 } 13° 104° 7'.5 }					H. M. S. 7 0 49 } 14° 105° 12'.3 }				
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	Ω	☿	♈	♊	♋	Ω	☿	♈	♊	♋	Ω	☿	♈	♊	♋	Ω	☿	♈	♊	♋	Ω	☿	♈	♊	♋	Ω	☿	♈	♊	♋
22	9.8	10.2	9 5	8.2	8.4	10.9	11.3	10 5	9.2	9.4	11.9	12.3	11 5	10.2	10.4	12.9	13.4	12 5	11.2	11.4	14.0	14.4	13 5	12.2	12.4	15.0	15.4	14 4	13.2	13.4
23	10.0	4 9 1	0	3	11.0	4 10 0	0	3	12.0	4 11 0	0	3	13.0	5 11 59	0	3	1	5 12 59	0	3	1	5 12 59	0	3	1	6 13 58	0	2		
24	1	5 8 57	7.8	1	1	5 9 56	8.9	1	1	5 10 55	9.8	1	2	6 11 54	10.8	1	2	6 12 53	11.8	1	2	6 12 53	11.8	1	2	7 13 52	12.8	1		
25	2	6 8 53	7	0	2	6 9 51	7	0	3	6 10 50	6	0	3	7 11 49	6	0	3	7 12 47	6	0	3	7 12 47	6	0	3	8 13 46	6	12.9		
26	3	10.7	8 48	5	7.8	4 11.7	9 47	5	8.8	4	7 10 45	4	9.8	4	8 11 43	4	10.8	4	8 12 41	4	11.8	5	9 13 39	4	8					
27	10.4	8 8 44	3	7	11.5	8 9 42	3	7	12.5	9 10 40	2	7	13.5	9 11 38	2	7	14.5	9 12 36	2	6	15.6	9 13 33	2	6						
28	6	9 8 40	1	5	6	9 9 38	1	5	6	13.0	10 35	0	5	6 14.0	11 33	0	5	7 15.0	12 30	0	5	7 16.0	13 27	0	5					
29	7	11.0	8 36	6.9	4	7 12.0	9 33	7.9	4	7	1 10 30	8.8	3	8	1 11 27	9.8	3	8	1 12 24	10.8	3	8	1 13 21	11.8	12.3					
30	8	1 8 32	7	2	9	2 9 29	7	2	9	2 10 25	6	2	9	2 11 22	6	2	9	2 12 18	6	2	9	2 13 14	5	1						
31	11.0	3 8 28	5	0	12.0	3 9 24	5	0	13.0	3 10 20	4	0	14.0	3 11 16	4	0	15.0	3 12 12	4	0	16.0	3 13 8	3	0						
32	1	4 8 24	3	6.9	1	4 9 19	2	7.9	1	4 10 15	2	8.8	1	14.4	11 11	2	9.8	2 15.4	12 6	1	10.8	2 16.4	13 1	1	11.8					
33	2	11.5	8 20	1	7	3 5 9 15	0	7	3	13.5	10 10	0	7	3	5 11 5	0	7	3	5 12 0	9.9	6	3	5 12 55	10.9	6					
34	4	6 8 15	5.9	5	4	12.6	9 10	6.8	5	4	6 10 5	7.8	5	4	6 11 0	8.7	5	4	6 11 54	7	5	4	5 12 49	6	4					
35	11.5	7 8 11	7	3	12.6	7 9 5	6	3	13.6	7 10 0	6	3	14.6	7 10 54	5	3	15.6	7 11 48	5	3	16.6	6 12 42	4	2						
36	7	8 8 7	5	2	7	8 9 1	5	1	7	8 9 55	4	1	7	14.7	10 48	3	1	7 15.7	11 42	3	1	7 16.7	12 35	2	1					
37	9	12.0	8 3	3	0	9 9 8 56	3	6.9	9	9 9 49	2	7.9	9	8 10 43	1	8.9	9	8 11 36	1	9.9	8	7 12 29	0	10.9						
38	12.0	1 7 58	1	5.8	13.0	13.0	8 51	0	7	14.0	14.0	9 44	0	7	15.0	9 10 37	7.9	7	16.0	9 11 30	8.8	7	17.0	8 12 22	9.7	6				
39	2	2 7 54	4.9	6	2	1 8 46	5.8	5	2	1 9 39	6.7	5	2	15.0	10 31	6	5	1 16.0	11 23	6	4	1 9 12 15	5	4						
40	3	3 7 50	6	4	3	2 8 41	5	3	3	2 9 33	5	3	3	1 10 25	4	3	3	1 11 17	3	2	3 17.0	12 8	2	2						
41	5	12.4	7 45	4	1	5 3 8 37	3	1	5	3 9 28	2	1	5	2 10 19	1	0	5	2 11 10	0	0	5	1 12 2	8.9	0						
42	7	6 7 41	1	4.9	7	13.4	8 32	0	5.9	7	4 9 22	0	6.8	7	3 10 13	6.9	7.8	6	3 11 4	7.8	8.8	6	1 11 55	7	9.7					
43	9	7 7 36	3.9	7	9	5 8 26	4.8	6	9	14.6	9 17	5.7	6	8 15.4	10 7	6	5	8 4 10 57	5	5	8	2 11 47	4	5						
44	13.1	8 7 31	6	4	14.1	7 8 21	5	4	15.0	7 9 11	4	3	16.0	5 10 1	3	3	17.0	16.5	10 51	2	2	18.0	3 11 40	1	2					
45	2	13.0	7 27	4	1	2 8 8 16	3	1	1	8 9 5	1	1	1	6 9 55	0	0	1	6 10 44	6.9	0	1	17.4	11 33	7.8	8.9					
46	4	1 7 22	1	3.9	4	9 8 11	0	4.9	3	9 9 0	4.9	5.9	3	8 9 48	5.8	6.8	3	7 10 37	7	7.7	2	5 11 26	6	7						
47	6	3 7 17	2.8	7	6	14.1	8 5	3.8	7	5 15.0	8 54	7	7	5 16.0	9 42	6	6	5 8 10 30	4	5	4	7 11 18	3	5						
48	8	4 7 12	5	5	8	2 8 0	5	4	8	1 8 48	4	4	7	1 9 35	3	3	7	9 10 23	1	3	6	8 11 10	0	2						
49	14.0	13.6	7 7	3	2	15.0	3 7 55	2	1	16.0	2 8 42	1	9	2 9 29	4.9	0	9	17.0	10 16	5.8	0	8	9 11 3	6.7	7.9					
50	2	7 7 2	0	2.9	2	14.5	7 49	2.9	3.8	2	4 8 36	3.8	4.8	17.1	3 9 22	6	5.7	18.1	1 10 9	5	6.7	19.1	18.0	10 55	3	6				
51	4	8 6 57	1.7	6	4	6 7 43	6	5	4	15.5	8 29	5	5	3 16.5	9 15	3	4	3	2 10 1	1	4	3	1 10 47	0	3					
52	6	9 6 52	4	3	6	8 7 37	3	2	6	7 8 23	2	2	5	6 9 8	0	1	5	4 9 54	4.8	1	5	2 10 39	5.7	0						
53	9	14.1	6 47	1	0	8 15.0	7 31	0	2.9	8	8 8 16	2.9	3.9	7	7 9 1	3.7	4.8	7 17.5	9 46	5	5.7	7 18.4	10 31	4	6.6					
54	15.2	3 6 41	0.8	1.6	16.1	1 7 25	1.7	5	17.1	16.0	8 10	5	5	18.0	8 8 54	3	4	9	7 9 38	2	3	9	5 10 22	0	2					
55	5	5 6 36	5	2	4	3 7 19	3	1	4	1 8 3	1	1	3	17.0	8 47	2.9	0	19.2	8 9 30	3.8	4.9	20.2	6 10 14	4.6	5.8					
56	8	7 6 30	1	0.8	7	5 7 13	0.9	1.7	7	3 7 56	1.7	2.7	6	1 8 39	5	3.6	5	9 9 22	4	5	4	8 10 5	2	4						

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																										21					
H. M. S. SID. T. 7 5 8 } ϖ ARC 106° 16'.9 } 15°						H. M. S. 7 9 26 } ϖ 16° 107° 21'.5 } 16°					H. M. S. 7 13 44 } ϖ 17° 108° 25'.9 } 17°					H. M. S. 7 18 1 } ϖ 18° 109° 30'.2 } 18°					H. M. S. 7 22 18 } ϖ 19° 110° 34'.4 } 19°					H. M. S. 7 26 34 } ϖ 20° 111° 38'.4 } 20°					
H.	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	
Lat.	Q	W	A	M	f	Q	W	A	M	f	Q	W	A	M	f	Q	W	A	M	f	Q	W	A	M	f	Q	W	A	M	f	
22	16.1	16.6	15	4	14.2	17.1	17.6	16	3	15.2	18.1	18.7	17	3	16.2	19.1	19.8	18	2	17.2	20.2	20.8	19	1	18.2	21.2	21.9	20	0	19.1	
23	2	6	14	57	0	2	7	15	56	0	2	8	16	55	0	2	9	17	54	0	2	3	9	18	52	17.9	1	3	9	19	
24	3	7	14	51	13.8	3	8	15	49	14.8	3	9	16	48	15.8	3	9	17	46	16.7	4	9	18	44	7	0	4	22.0	19		
25	4	8	14	44	6	4	9	15	42	6	4	9	16	40	5	4	20.0	17	38	5	5	21.0	18	36	5	17.8	5	0	19	33	
26	5	9	14	37	4	5	10	15	35	3	5	11	16	33	3	5	12	17	30	3	6	13	18	27	3	7	21.6	1	19		
27	16.6	17.0	14	31	2	6	18.0	15	28	1	6	6	1	16	25	1	7	1	17	22	1	7	1	18	19	0	5	7	1	19	
28	7	1	14	24	12.9	7	1	15	21	13.9	7	1	16	18	14.9	7	1	17	14	15.8	8	2	18	10	16.8	3	8	2	19	7	
29	8	1	14	17	7	8	2	15	14	7	8	2	16	10	6	8	2	17	6	6	9	2	18	2	6	2	9	22.2	18	58	
30	9	2	14	10	5	9	3	15	6	5	9	3	16	2	4	10.0	20.3	16	58	4	0	21.0	21.3	17	53	3	0	22.0	3	18	
31	17.1	3	14	4	3	12.9	1	3	14	59	2	13.9	1	9	3	1	3	16	50	1	15.9	1	3	17	45	1	16.8	1	3	18	
32	2	17.4	13	57	0	8	2	18.4	14	52	0	8	2	4	15	47	13.9	7	2	4	16	42	14.9	7	2	4	17	36	15.8	7	3
33	3	5	13	50	11.8	6	3	5	14	44	12.8	6	3	5	15	39	7	5	3	5	16	33	6	5	4	4	17	27	6	5	
34	4	5	13	43	6	4	18.4	5	14	37	5	4	19.5	5	15	31	5	4	20.5	20.5	16	25	4	3	21.5	5	17	19	3	3	
35	17.6	6	13	36	3	2	6	6	14	30	3	2	6	6	15	23	2	2	6	6	16	17	1	1	6	21.5	17	10	1	1	
36	7	17.7	13	29	1	0	7	18.7	14	22	1	0	7	19.6	15	15	12.9	0	7	6	16	8	13.9	14.9	7	6	17	1	14.8	15.9	7
37	8	8	13	22	10.9	11.8	9	8	14	15	11.9	12.8	9	7	15	7	7	13.8	9	7	16	0	6	7	9	7	16	52	5	7	
38	18.0	9	13	15	7	6	19.0	8	14	7	6	6	20.0	8	14	59	5	5	21.0	20.8	15	51	4	5	22.0	7	16	43	3	5	
39	1	9	13	7	4	4	1	9	13	59	3	4	1	9	14	51	2	3	1	8	15	43	1	3	1	21.8	16	34	1	2	
40	3	18.0	13	0	1	2	3	19.0	13	51	0	1	3	9	14	43	11.9	1	3	9	15	34	12.9	1	3	8	16	25	13.8	0	3
41	5	1	12	53	9.8	10.9	4	1	13	43	10.8	11.9	4	20.0	14	34	7	12.9	4	9	15	25	6	13.8	4	9	16	16	5	14.8	
42	6	2	12	45	6	7	19.6	1	13	35	5	6	20.6	1	14	26	4	6	21.6	21.0	15	16	3	6	22.6	9	16	6	2	5	
43	8	3	12	37	3	4	8	2	13	27	2	4	7	1	14	17	1	3	7	1	15	7	0	3	7	22.0	15	57	12.9	3	
44	19.0	18.4	12	30	0	2	9	19.3	13	19	9.9	1	9	2	14	9	10.8	1	9	2	14	58	11.6	0	9	1	15	47	5	0	9
45	1	5	12	22	8.7	9.9	20.1	4	13	11	6	10.9	21.1	3	14	0	5	11.8	22.1	2	14	49	3	12.8	23.1	1	15	37	2	13.7	
46	2	6	12	14	4	6	2	5	13	2	3	6	2	20.4	13	51	1	5	2	3	14	39	0	5	2	2	15	27	11.9	4	
47	4	6	12	6	1	4	4	6	12	54	0	4	4	4	13	42	9.8	3	3	21.3	14	30	10.7	2	4	2	15	17	6	2	3
48	6	18.7	11	58	7.8	1	6	19.7	12	45	8.7	1	5	5	13	33	5	0	5	4	14	20	4	0	6	22.3	15	7	3	12.9	4
49	8	8	11	50	5	8.8	8	8	12	36	4	9.8	7	5	13	23	2	10.7	7	4	14	10	1	11.7	8	3	14	57	10.9	6	
50	20.0	9	11	41	2	5	21.0	8	12	28	0	5	9	20.6	13	14	8.9	4	9	5	14	0	9.7	4	9	4	14	46	6	3	8
51	2	19.0	11	33	6.8	2	2	9	12	19	7.7	2	22.1	7	13	4	5	1	23.1	6	13	50	4	1	24.0	4	14	35	2	11.9	9
52	4	1	11	24	5	7.9	4	20.0	12	9	4	8.9	3	8	12	54	2	9.8	3	21.7	13	39	0	10.7	2	22.5	14	24	9.8	6	
53	6	2	11	15	2	6	6	1	12	0	0	5	5	9	12	44	7.8	4	5	7	13	29	8.6	3	4	6	14	13	4	3	3
54	8	3	11	6	5.8	2	8	2	11	50	6.6	1	7	21.0	12	34	4	0	7	8	13	18	2	9.9	6	6	14	2	0	10.9	5
55	21.1	4	10	57	4	6.8	22.0	3	11	40	2	7.7	23.0	1	12	24	0	8.6	9	9	13	7	7.8	5	8	7	13	50	8.6	4	7
56	3	5	10	48	0	3	2	4	11	30	5.8	2	2	2	12	13	6.6	1	24.1	22.0	12	56	4	0	25.0	7	13	38	2	9.9	9

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

22																										UPPER MERIDIAN, CUSP OF 10th H.																									
H. M. S. SID. T. 7 26 34 } $\overline{20^\circ}$ ARC 111° 38'.4						H. M. S. 7 30 49 } $\overline{21^\circ}$ 112° 42'.4						H. M. S. 7 35 5 } $\overline{22^\circ}$ 113° 46'.2						H. M. S. 7 39 19 } $\overline{23^\circ}$ 114° 49'.8						H. M. S. 7 43 33 } $\overline{24^\circ}$ 115° 53'.3						H. M. S. 7 47 47 } $\overline{25^\circ}$ 116° 56'.7																					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																					
Lat.	Q	W	A	M	J	Q	W	A	M	J	Q	W	A	M	J	Q	W	A	M	J	Q	W	A	M	J	Q	W	A	M	J																					
22	21.2	21.9	20	0	19.1	22.3	23.0	20	58	20.1	23.3	24.0	21	57	21.1	24.4	25.0	22	55	22.1	25.4	26.1	23	53	23.0	26.4	27.1	24	51	24.0																					
23	3	9	19	51	18.9	4	0	20	49	19.9	5	0	21	47	20.8	6	1	22	45	21.8	7	2	23	43	22.8	8	3	24	40	23.7																					
24	4	22	0	19	42	5	0	20	40	6	19	9	5	1	21	38	6	20	9	5	1	22	35	6	21	9	6	1	23	32																					
25	5	0	19	33	4	18	6	1	20	31	4	8	6	1	21	28	4	7	6	1	22	25	3	7	7	1	23	22	3	7																					
26	21.6	1	19	24	2	6	22	7	1	20	21	2	6	23	7	1	22	15	1	6	25	8	2	23	11	0	5	8	2	24																					
27	7	1	19	16	0	5	8	23	2	18	9	5	8	24	2	19	8	25	2	22	5	20	4	9	26	2	3	9	27	2																					
28	8	2	19	7	17.7	3	9	2	20	3	7	3	9	2	20	59	6	2	9	2	21	54	6	2	9	2	22	50	5	2																					
29	9	22	2	18	58	5	1	23	0	2	19	53	5	1	24	0	2	25	0	2	21	44	3	0	26	0	2	22	39	3	0																				
30	22.0	3	18	49	3	0	1	3	19	44	2	18	9	1	3	20	39	2	19	9	1	3	21	34	1	20	9	1	3	22	29																				
31	1	3	18	40	0	17.8	2	3	19	35	0	8	2	3	20	29	18	9	7	2	3	21	24	19	8	7	2	3	22	18																					
32	3	4	18	31	16.8	6	3	23	4	19	25	17	7	6	3	24	3	20	19	7	5	3	25	3	21	13	6	5	3	26	3																				
33	4	4	18	22	5	4	4	4	19	16	5	4	4	4	4	20	9	4	4	4	4	4	21	3	3	3	4	3	21	56																					
34	22.5	22.5	18	12	2	2	23	5	4	19	6	2	2	24	5	4	19	59	1	2	25	5	4	20	52	0	1	26	5	4																					
35	6	5	18	3	0	0	6	5	18	56	16	9	0	6	4	19	49	17	8	0	6	4	20	42	18	8	19	9	6	4																					
36	7	6	17	54	15.7	16.8	7	5	18	47	7	17	8	7	5	19	39	6	18	8	8	4	20	31	5	7	8	4	21	23																					
37	9	6	17	44	5	6	9	23	6	18	37	5	6	9	24	5	19	28	3	6	9	25	4	20	21	2	5	9	26	4																					
38	23.0	22.7	17	35	3	4	24	0	6	18	27	2	4	25	0	6	19	18	0	3	26	0	4	20	10	17	9	3	27	0																					
39	1	7	17	25	0	2	1	7	18	17	15	9	2	1	6	19	8	16	7	1	1	5	19	59	6	1	1	5	20	50																					
40	3	7	17	16	14.7	0	3	7	18	7	6	16	9	3	6	18	57	4	17	9	2	5	19	48	3	18	9	2	5	20	38																				
41	4	8	17	6	4	15.7	4	7	17	56	2	7	4	7	18	47	0	6	4	5	19	37	16	9	6	4	5	20	27																						
42	23.6	22.8	16	56	0	5	24	5	23	8	17	46	14	9	4	25	5	24	7	18	36	15	7	4	26	5	25	5	19	25																					
43	7	8	16	46	13.7	2	7	8	17	36	6	2	7	7	18	25	4	1	7	5	19	14	3	1	6	6	20	3	2	0																					
44	9	9	16	36	4	0	8	9	17	25	3	15	9	8	8	18	14	1	16	9	8	6	19	2	0	17	8	6	19	51																					
45	24.0	9	16	26	1	14.7	25	0	9	17	14	13	9	6	26	0	8	18	2	14	8	6	27	0	6	18	50	15	7	5																					
46	2	23	0	16	15	12.7	4	1	24	0	17	3	6	4	1	8	17	51	5	3	1	25	6	18	38	3	2	28	0	6																					
47	3	0	16	5	4	1	2	0	16	52	3	1	2	24	9	17	39	1	0	2	7	18	26	0	0	1	26	7	19	14																					
48	4	1	15	54	1	13.8	4	0	16	41	0	14	8	4	9	17	28	13	8	15	7	3	7	18	14	14	7	16	3	7																					
49	24.6	1	15	43	11.8	5	25	6	1	16	29	12	6	5	26	5	9	17	16	5	4	27	5	7	18	2	3	3	5	7																					
50	8	2	15	32	4	2	8	1	16	18	2	1	7	9	17	3	1	1	7	25	8	17	49	13	9	0	28	6	7	18	34																				
51	9	23	3	15	21	0	12	9	2	16	6	11	8	13	8	25	0	16	51	12	7	14	8	8	17	36	5	15	7	7																					
52	25.1	3	15	9	10	6	5	26	1	2	15	54	4	5	27	0	0	16	38	3	4	9	9	17	23	1	3	9	26	8																					
53	3	4	14	57	2	1	3	3	15	41	0	1	2	1	16	25	11	9	1	28	1	9	17	9	12	7	14	9	29	1																					
54	5	4	14	45	9	8	11	7	5	3	15	29	10	6	12	7	4	1	16	12	5	13	7	3	26	0	16	55	3	5																					
55	7	5	14	33	4	3	7	4	15	16	2	3	6	2	15	59	0	2	5	0	16	41	11	8	1	5	8	17	24	6	0																				
56	9	6	14	20	0	10	9	5	15	3	9	8	11	8	3	15	45	10	6	12	7	7	1	16	27	3	13	6	7	9																					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									23						
H. M. S. SID. T. 7 51 59 } \odot ARC 117° 59'.9 } 26°					H. M. S. 7 56 12 } \odot 27° 119° 2'.9 } 27°					H. M. S. 8 0 28 } \odot 28° 120° 5'.8 } 28°					H. M. S. 8 4 34 } \odot 29° 121° 8'.5 } 29°					H. M. S. 8 8 44 } \odot 0° 122° 11'.1 } 0°					H. M. S. 8 12 54 } \odot 1° 123° 13'.4 } 1°						
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	
Lat.	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot		
22	27.5	28.2	25.49	25.0	25.1	28.5	29.2	26.46	25.9	26.1	29.6	0.2	27.43	26.9	27.0	0.6	1.2	28.40	27.9	28.0	1.7	2.2	29.37	28.8	28.9	2.7	3.2	0.33	29.7	29.9	
23	6	2	25 37	24.7	24.9	6	2	26 34	7	25.9	7	2	27 31	7	26.8	7	2	28 27	6	27.8	7	2	29 24	5	8	8	2	0	20	5	7
24	7	2	25 26	5	8	7	2	26 22	4	7	7	2	27 19	4	7	8	2	28 15	3	6	8	2	29 11	3	6	9	2	0	7	2	6
25	7	2	25 14	2	6	8	2	26 10	2	6	8	2	27 7	1	5	9	2	28 3	1	5	9	2	28 58	0	4	9	2	29 54	28.9	4	4
26	8	2	25 3	0	4	9	2	25 59	24.9	4	9	2	26 55	25.9	4	9	2	27 50	26.8	3	2.0	2	28 45	27.7	3	3.0	3.2	29 41	7	2	2
27	9	28.2	24 52	23.7	3	9	29.2	25 47	7	2	9	0.2	26 43	6	2	1.0	1.2	27 38	5	1	1	2.2	28 33	5	1	1	1	29 27	4	0	0
28	28.0	2	24 41	5	1	29.0	2	25 36	4	1	0.1	2	26 30	4	0	1	2	27 25	3	0	1	2	28 20	2	27.9	2	1	29 14	1	28.9	28.9
29	1	2	24 29	2	23.9	1	2	25 24	2	24.9	2	2	26 18	1	25.8	2	2	27 13	0	26.8	2	1	28 7	26.9	7	3	1	29 1	27.9	7	7
30	2	2	24 18	0	7	2	2	25 12	23.9	7	2	2	26 6	24.8	7	3	2	27 0	25.7	6	2.3	1	27 54	6	6	3.3	3.1	28 47	6	5	5
31	3	2	24 6	22.7	6	3	2	25 0	6	5	3	2	25 54	5	5	1.4	2	26 47	5	4	4	1	27 41	4	4	4	1	28 34	3	3	3
32	4	28.2	23 55	4	4	4	29.2	24 48	3	3	4	0.2	25 41	3	3	5	1.2	26 34	2	2	5	2.1	27 27	1	2	5	1	28 20	0	1	1
33	28.5	3	23 43	1	2	29.5	2	23 36	1	1	0.5	2	25 29	0	1	5	1	26 22	24.9	0	6	1	27 14	25.8	0	6	0	28 6	26.7	27.9	27.9
34	6	3	23 31	21.9	0	6	2	24 24	22.8	0	6	2	25 16	23.7	24.9	6	1	26 9	6	25.9	2.7	1	27 1	5	26.8	3.7	3.0	27 53	4	8	8
35	7	3	23 19	6	22.8	7	2	24 12	5	23.8	7	2	25 4	4	7	1.7	1	25 56	3	7	8	1	26 47	2	6	8	0	27 39	1	6	6
36	8	3	23 7	3	6	8	2	23 59	2	6	8	2	24 51	1	5	8	1	25 42	0	5	8	0	26 34	24.9	4	9	0	27 24	25.8	4	4
37	9	28.3	22 55	0	4	9	29.2	23 47	21.9	3	9	0.2	24 38	22.8	3	9	1.1	25 29	23.7	2	9	2.0	26 20	6	2	4.0	0	27 10	4	1	1
38	29.0	3	22 43	20.7	2	9	2	23 34	6	1	1.0	2	24 25	5	1	2.0	1	25 16	4	0	3.0	0	26 6	3	0	0	2	26 56	1	26.9	26.9
39	1	3	22 31	3	21.9	0.1	2	23 22	3	22.9	1	2	24 12	2	23.8	1	1	25 2	1	24.8	1	0	25 52	0	25.7	1	9	26 42	24.8	7	7
40	2	3	22 19	0	7	2	2	23 9	20.9	7	2	2	23 58	21.8	6	2	1	24 48	22.7	6	2	0	25 38	23.6	5	2	9	26 27	4	5	5
41	4	3	22 6	19.7	5	3	2	22 56	6	4	3	2	23 45	5	4	3	1.1	24 34	4	3	3	0	25 23	2	3	4.3	9	26 12	1	2	2
42	29.5	28.3	21 53	3	2	5	29.2	22 42	2	1	5	0.2	23 31	1	1	5	0	24 20	0	0	4	1.9	25 9	22.9	0	4	8	25 57	23.7	25.9	25.9
43	6	3	21 40	0	20.9	0.6	2	22 29	19.9	21.9	1.6	1	23 17	20.8	22.8	2.6	0	24 6	21.6	23.8	3.5	9	24 54	5	24.7	6	2	25 42	3	7	7
44	7	3	21 27	18.6	7	7	2	22 16	5	6	7	1	23 3	4	5	7	0	23 51	3	5	6	9	24 39	1	4	7	8	25 26	0	4	4
45	9	4	21 14	3	4	8	2	22 2	2	3	8	1	22 49	0	3	8	1.0	23 37	20.9	2	7	9	24 24	21.7	2	4.7	8	25 11	22.6	1	1
46	9	4	21 1	17.9	1	9	2	21 48	18.8	0	9	1	22 35	19.6	0	9	0	23 22	5	22.9	8	9	24 8	3	23.9	8	7	24 55	2	24.8	24.8
47	0.1	28.4	20 47	5	19.8	1.0	29.2	21 34	5	20.7	2.0	0.1	22 20	3	21.7	3.0	0	23 7	2	6	9	1.8	23 53	20.9	6	9	7	24 39	21.8	5	5
48	2	4	20 33	2	5	2	2	21 19	1	4	1	1	22 5	18.9	4	1	0	22 51	19.8	3	4.0	8	23 37	5	2	5.0	2	24 22	4	2	2
49	4	4	20 19	16.8	2	3	2	21 5	17.7	0	2	1	21 50	5	0	3	0.9	22 35	4	0	1	8	23 21	1	22.9	2	7	24 5	0	23.9	23.9
50	5	4	20 5	4	18.8	5	2	20 50	3	19.7	4	1	21 35	1	20.7	4	9	22 19	18.9	21.6	3	8	23 4	19.7	5	3	6	23 49	20.6	5	5
51	7	4	19 50	0	5	1.6	2	20 35	16.9	4	2.5	1	21 19	17.7	4	3.5	9	22 3	5	3	4	8	22 47	3	2	4	6	23 31	1	2	2
52	8	28.4	19 35	15.6	1	8	29.2	20 19	5	0	7	0.1	21 3	3	0	6	9	21 47	1	20.9	4.5	1.7	22 30	18.9	21.9	5.5	2.6	23 13	19.6	22.8	22.8
53	1.0	4	19 20	2	17.7	9	2	20 3	0	18.6	8	0	20 47	16.8	19.6	8	0.9	21 30	17.6	5	6	7	22 12	4	5	7	5	22 55	1	4	4
54	1	4	19 4	7	3	2.1	2	19 47	15.5	2	3.0	0	20 30	3	1	9	9	21 12	1	1	8	7	21 55	17.9	0	8	5	22 37	18.6	21.9	21.9
55	3	4	18 49	14.2	16.8	3	2	19 31	0	17.8	2	0	20 13	15.8	18.7	4.1	8	20 55	16.6	19.6	5.0	6	21 36	4	20.5	6.0	4	22 18	1	4	4
56	5	5	18 32	13.7	3	4	2	19 14	14.5	3	3	0	19 55	3	1	2	8	20 37	1	1	1	6	21 18	16.9	0	1	4	21 59	17.6	20.9	20.9

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

24																																UPPER MERIDIAN, CUSP OF 10th H.																															
H. M. S. SID. T. 8 12 54 } Ω 1° ARC 123° 13'.4 }						H. M. S. 8 17 8 } Ω 2° 124° 15'.6 }						H. M. S. 8 21 11 } Ω 3° 125° 17'.7 }						H. M. S. 8 25 18 } Ω 4° 126° 19'.5 }						H. M. S. 8 29 25 } Ω 5° 127° 21'.2 }						H. M. S. 8 33 31 } Ω 6° 128° 22'.7 }																																	
H.	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8																												
Lat.	α	β	μ	ν	ζ	α	β	μ	ν	ζ	α	β	μ	ν	ζ	α	β	μ	ν	ζ	α	β	μ	ν	ζ	α	β	μ	ν	ζ	α	β	μ	ν	ζ																												
22	2.7	3.2	0.33	29.7	29.9	3.8	4.3	1.29	0.6	0.8	4.9	5.2	2.25	1.6	1.8	5.9	6.3	3.21	2.5	2.7	6.9	7.2	4.17	3.5	3.7	8.0	8.2	5.12	4.4	4.6																																	
23	8	2	0.20	5	7	9	2	1.16	4	7	9	2	2.12	3	6	6.0	2	3	7	3	6	7.0	2	4	2	2	5	0	2	4.57	1	5																															
24	9	2	0	7	2	6	9	2	1	2	5.0	2	1.58	1	5	0	2	2.53	0	4	1	2	3	4.8	2.9	4	1	1	4.42	3.8	3																																
25	9	2	29.54	28.9	4	4.0	2	0.49	29.8	3	1	2	1.44	0.8	3	1	1	2.39	1.7	2	1	1	3	3.3	6	2	2	1	4.27	6	1																																
26	3.0	3.2	29.41	7	2	1	2	0.35	6	2	1	5.1	1.30	5	1	2	1	2.24	4	1	2	7.1	3	1.8	4	0	2	8.0	4	1.2	3	0																															
27	1	1	29.27	4	0	1	4.1	0.22	3	0	2	1	1.16	2	0	2	6.1	2	1.0	2	1.9	3	0	3	4	1	2.8	8.3	0	3.57	0	3.8																															
28	2	1	29.14	1	28.9	2	1	0	8	0	29.8	3	1	1	2	0	6.3	0	1.55	0.9	7	7.3	0	2	4.9	1.8	7	3	0	3.42	2.7	6																															
29	3	1	29	1	27.9	7	4.3	1	29.54	28.7	6	5.3	0	0.48	29.7	6	4	0	1.41	6	5	4	0	2	3.4	5	5	4	7.9	3	2.7	4	4																														
30	3.3	3.1	28.47	6	5	4	1	29.40	5	5	4	5.0	0.34	4	4	4	0	1.26	3	4	5	6.9	2	1.9	2	3	5	9	3	1.2	1	3																															
31	4	1	28.34	3	3	5	4.0	29.27	2	3	5	0	0.19	1	2	5	5.9	1	1.2	0	2	5	9	2	4	0.9	1	6	8	2.56	1.8	1																															
32	5	1	28.20	0	1	5	0	29.13	27.9	1	6	0	0	5	28.8	0	6	9	0.57	29.7	0	6	8	1	4.9	6	1.9	8.6	8	2.41	5	2.9																															
33	6	0	28	6	26.7	27.9	4.6	0	28.59	6	28.9	5.7	4.9	29.51	5	29.8	6.7	9	0.42	4	0.8	7.7	8	1	3.4	3	7	7	7	2.25	2	7																															
34	3.7	3.0	27.53	4	8	7	0	28.44	3	7	7	9	29.36	2	7	8	8	0.27	1	6	8	8	1	1.8	0	5	8	7.7	2	9	0.9	5																															
35	8	0	27.39	1	6	8	3.9	28.30	0	5	8	9	29.21	27.9	5	8	8	0.12	28.8	4	8	6.7	1	3	29.6	3	8	6	1.53	5	3																																
36	9	0	27.24	25.8	4	9	9	28.16	26.6	3	9	8	29	6	5	3	9	5.8	29.57	4	2	9	7	0.47	3	1	9	6	1.37	2	1																																
37	4.0	0	27.10	4	1	5.0	9	28	1	3	1	6.0	8	28.51	2	0	7.0	7	29.41	1	0	8.0	6	0.31	0	0.9	9.0	5	1.21	29.9	1.9																																
38	0	2.9	26.56	1	26.9	1	9	27.46	0	27.9	1	4.8	28.36	26.9	28.8	1	7	29.26	27.8	29.8	1	6	0.15	28.6	7	1	5	1	5	5	7																																
39	1	9	26.42	24.8	7	2	8	27.31	25.6	6	2	7	28.21	5	6	2	6	29.10	5	5	2	5	29.59	3	5	2	7.4	0.48	1	4																																	
40	2	9	26.27	4	5	3	3.8	27.16	3	4	2	7	28	5	2	4	2	6	28.54	1	3	2	6.5	29.43	27.9	2	2	4	0.31	28.8	2																																
41	4.3	9	26.12	1	2	5.4	8	27	1	24.9	2	6.3	7	27.49	25.8	1	7.3	5.5	28.38	26.8	0	3	4	29.26	5	0	3	3	0.14	4	0.9																																
42	4	8	25.57	23.7	25.9	5	7	26.45	5	26.9	4	6	27.34	4	27.8	4	5	28.22	4	28.8	8.4	4	29	9	1	29.7	9.4	3	29.57	0	7																																
43	6	2.8	25.42	3	7	6	7	26.30	2	6	5	4.6	27.17	0	6	5	4	28	5	0	5	5	3	28.52	26.7	5	5	2	29.40	27.6	4																																
44	7	8	25.26	0	4	6	7	26.14	23.8	3	6	5	27	1	24.6	3	6	4	27.48	25.6	2	5	3	28.35	3	2	5	7.1	29.22	2	1																																
45	4.7	8	25.11	22.6	1	5.7	3.6	25.58	5	1	6.6	5	26.44	3	0	7.7	4	27.31	2	27.9	6	6.2	28.17	25.9	28.9	6	1	29	4	26.8	29.8																																
46	8	7	24.55	2	24.8	8	6	25.41	1	25.8	7	5	26.27	23.9	26.7	7	5.3	27.14	24.8	6	8.7	2	28	0	6	6	9.6	0	28.46	3	5																																
47	9	7	24.39	21.8	5	9	6	25.25	22.7	4	9	4	26.10	5	4	8	3	26.56	3	3	8	1	27.42	2	3	7	0	28.27	25.9	2																																	
48	5.0	2.7	24.22	4	2	6.0	5	25	8	3	1	7.0	4.4	25.53	1	1	9	2	26.38	23.9	0	9	1	27.23	24.7	27.9	8	6.9	28	8	5	28.9																															
49	2	7	24	5	0	23.9	1	3.5	24.50	21.9	24.8	1	3	25.35	22.7	25.7	8.0	2	26.20	4	26.7	9	0	27	4	3	6	9	8	27.49	1	5																															
50	3	6	23.49	20.6	5	2	5	24.33	4	4	2	3	25.17	2	3	1	5.1	26	1	0	3	9.0	5.9	26.45	23.8	2	10.0	8	27.29	24.6	1																																
51	4	6	23.31	1	2	3	4	24.15	20.9	1	3	2	24.59	21.7	0	2	1	25.42	22.5	0	1	9	26.26	3	26.9	1	7	27	9	1	27.7																																
52	5.5	2.6	23.13	19.6	22.8	6.4	4	23.57	4	23.7	7.4	4.2	24.40	2	24.6	3	0	25.23	0	25.6	2	8	26	6	22.8	5	2	6.6	26.49	23.6	3																																
53	7	5	22.55	1	4	6	3.3	23.38	19.9	3	5	2	24.21	20.7	2	8.4	0	25	3	21.5	2	3	8	25.45	3	1	3	6	26.28	1	26.9																																
54	8	5	22.37	18.6	21.9	7	3	23.19	4	22.8	6	1	24	1	2	23.8	5	4.9	24.43	0	24.7	9.4	5.7	25.25	21.8	25.6	10.4	5	26	6	22.6	5																															
55	6.0	4	22.18	1	4	9	2	23	0	18.9	3	8	0	23.41	19.7	3	7	8	24.22	20.5	2	6	6	25	3	3	1	6	4	25.45	0	0																															
56	1	4	21.59	17.6	20.9	7.0	2	22.40	4	21.8	9	0	23.20	1	22.8	8	8	24	1	19.9	23.7	7	6	24.42	20.7	24.6	7	3	25.22	21.4	25.5																																

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.

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H. M. S. SID. T. 8 37 36 } Ω ARC 129° 24'.0 } 7°						H. M. S. 8 41 41 } Ω 8° 130° 25'.2 }						H. M. S. 8 45 44 } Ω 9° 131° 26'.1 }						H. M. S. 8 49 48 } Ω 10° 132° 26'.9 }						H. M. S. 8 53 50 } Ω 11° 133° 27'.5 }						H. M. S. 8 57 52 } Ω 12° 134° 27'.9 }					
H.	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8					
Lat.	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ					
22	9.0	9.2	6 7	5.3	5.6	10.0	10.2	7 2	6.3	6.5	11.1	11.2	7 57	7.2	7.4	12.1	12.2	8 51	8.1	8.4	13.1	13.1	9 46	9.0	9.3	14.1	14.1	10 40	9.9	10.3					
23	1	2	5 52	0	4	1	2	6 47	0	3	1	1	7 41	6.9	3	1	1	8 35	7.8	2	2	1	9 29	8.7	2	2	0 10	23	6	1					
24	1	1	5 37	4.8	2	1	1	6 31	5.7	2	2	1	7 25	6	1	2	0	8 19	5	1	2	0	9 12	4	0	2	0 10	6	3	9.9					
25	2	1	5 21	5	1	2	0	6 15	4	0	2	0	7 9	3	0	2	0	8 3	2	7.9	3	12.9	8 56	1	8.8	3	13.9	9 49	0	8					
26	3	0	5 6	2	4.9	3	0	6 0	1	5.9	3	10.9	6 53	0	6.8	12.3	11.9	7 46	6.9	7	13.3	9	8 39	7.8	7	3	8	9 32	8.7	6					
27	9.3	0	4 51	3.9	7	10.3	9.9	5 44	4.8	7	11.3	9	6 37	5.7	6	3	8	7 30	6	6	4	8	8 22	5	5	14.4	7	9 15	4	4					
28	4	8.9	4 35	6	6	4	9	5 28	5	5	4	8	6 21	4	4	4	8	7 13	3	4	4	7	8 5	2	3	4	7	8 58	1	3					
29	4	9	4 20	3	4	4	8	5 12	2	3	5	8	6 4	1	3	5	7	6 57	0	2	5	6	7 48	6.9	1	5	13.6	8 40	7.8	1					
30	5	8	4 4	0	2	5	8	4 56	3.9	1	5	10.7	5 48	4.8	1	12.5	6	6 40	5.7	0	13.5	12.6	7 31	6	0	5	5	8 23	5	8.9					
31	6	8	3 48	2.7	0	6	9.7	4 40	6	0	6	6	5 31	5	5.9	6	11.6	6 23	4	6.8	6	5	7 14	3	7.8	14.6	4	8 5	2	7					
32	9.6	7	3 32	4	3.8	10.6	6	4 24	3	4.8	11.6	6	5 15	2	7	6	5	6 6	1	6	6	4	6 57	5.9	6	6	3	7 48	6.8	5					
33	7	8.7	3 16	1	6	7	6	4 7	0	6	7	5	4 58	3.9	5	7	4	5 49	4.8	5	7	3	6 39	6	4	7	13.3	7 30	5	3					
34	8	6	3 0	1.8	4	8	5	3 51	2.7	4	8	10.4	4 41	5	3	12.8	4	5 31	4	3	13.7	12.3	6 22	3	2	7	2	7 12	2	1					
35	8	6	2 44	4	2	8	9.5	3 34	3	2	8	4	4 24	2	1	8	3	5 14	1	1	8	2	6 4	4.9	0	14.8	1	6 53	5.8	7.9					
36	9	5	2 27	1	0	9	4	3 17	0	0	9	3	4 7	2.8	4.9	9	11.2	4 56	3.7	5.8	9	1	5 46	6	6.8	8	0	6 35	5	7					
37	10.0	8.4	2 11	0.7	2.8	11.0	3	3 0	1.6	3.8	12.0	2	3 49	5	7	9	1	4 39	4	6	9	0	5 28	2	6	9	12.9	6 16	1	5					
38	1	4	1 54	4	6	0	3	2 43	3	5	0	10.2	3 32	1	5	13.0	1	4 21	0	4	14.0	11.9	5	9	3.8	4	9	8	5 57	4.7	3				
39	1	3	1 37	0	4	1	9.2	2 26	0.9	3	1	1	3 14	1.8	2	1	0	4 2	2.6	2	0	9	4 50	5	1	15.0	7	5 38	3	1					
40	2	3	1 20	29.7	1	2	2	2 8	5	1	2	0	2 56	4	0	1	10.9	3 44	3	4.9	1	8	4 31	1	5.9	1	7	5 19	0	6.8					
41	3	8.2	1 2	3	1.9	3	1	1 50	1	2.8	2	0	2 37	0	3.7	2	8	3 25	1.9	7	2	7	4 12	2.7	6	1	12.6	4 59	3.5	6					
42	10.4	1	0 45	28.9	6	11.4	0	1 32	29.7	5	12.3	9.9	2 19	0.6	5	3	7	3 6	5	4	14.2	11.6	3 53	3	4	2	5	4 39	1	3					
43	5	1	0 27	5	3	4	8.9	1 13	3	3	4	8	2 0	2	2	13.3	7	2 47	0	2	3	5	3 33	1.9	1	15.2	4	4 19	2.7	0					
44	5	0	0 8	1	1	5	9	0 55	28.9	0	4	7	1 41	29.8	2.9	4	10.6	2 27	0.6	3.9	3	4	3 13	4	4.8	3	3	3 59	3	5.8					
45	6	7.9	29 50	27.6	0.8	6	8	0 36	5	1.7	5	6	1 22	3	6	4	5	2 7	2	6	4	3	2 53	0	5	3	12.3	3 38	1.8	5					
46	6	9	29 31	2	5	6	7	0 17	1	4	5	9.6	1 2	28.9	3	5	4	1 47	29.7	3	14.4	11.2	2 32	0.6	2	4	2	3 17	4	2					
47	10.7	8	29 12	26.8	1	11.7	6	29 57	27.7	1	12.6	5	0 42	5	0	5	3	1 27	3	0	5	1	2 11	2	3.9	15.4	1	2 55	0.9	4.8					
48	8	7	28 53	4	29.8	7	8.6	29 37	2	0.8	7	4	0 21	0	1.7	13.6	10.2	1	6 28.9	2.6	5	1	1 50	29.7	5	5	0	2 34	5	5					
49	8	7.7	28 33	0	5	8	5	29 17	26.7	4	8	3	0 1 27.6	3	7	2	0 45	4	3	6	0	1 28	2	1	5	11.9	2 11	0	2						
50	9	6	28 13	25.5	1	9	4	28 56	3	0	8	9.2	29 40	1	0.9	7	1	0 23	27.9	1.9	14.6	10.9	1	6 28.7	2.8	6	7	1 49	29.5	3.8					
51	11.0	5	27 52	0	28.8	12.0	3	28 35	25.8	29.7	9	1	29 18	26.6	5	8	0	0 1	4	6	7	8	0 43	2	4	15.7	6	1 26	0	4					
52	1	4	27 31	24.5	4	1	8.2	28 14	3	3	13.0	1	28 56	1	1	9	9.9	29 38	26.9	2	8	7	0 20	27.7	0	8	5	1	2 28.4	0					
53	2	7.3	27 10	0	0	2	1	27 52	24.8	28.9	1	0	28 34	25.5	29.7	14.0	8	29 15	3	0.7	9	6	29 57	1	1.6	8	11.4	0 38	27.8	2.6					
54	3	3	26 48	23.4	27.5	3	0	27 29	2	4	2	8.9	28 11	24.9	3	1	7	28 51	25.7	3	15.0	10.5	29 32	26.5	1	9	3	0 13	2	1					
55	5	2	26 25	22.8	26.9	4	0	27 6	23.6	27.9	3	8	27 47	3	28.8	2	6	28 27	1	29.7	1	4	29 8	25.9	0.6	16.0	1	29 48	26.6	1.6					
56	6	1	26 3	2	4	5	7.9	26 43	0	4	4	7	27 23	23.7	3	3	5	28 3	24.5	2	2	2	28 42	2	1	1	0	29 22	0	0					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

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H. M. S. SID. T. 8 57 52 } Ω ARC 134° 27'9 } 12°						H. M. S. 9 1 53 } Ω 13° 135° 28'.1 } 13°						H. M. S. 9 5 53 } Ω 14° 136° 28'.2 } 14°						H. M. S. 9 9 52 } Ω 15° 137° 28'.0 } 15°						H. M. S. 9 13 51 } Ω 16° 138° 27'.7 } 16°						H. M. S. 9 17 49 } Ω 17° 139° 27'.2 } 17°																					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																					
Lat.	α	β	γ	δ	ϵ	α	β	γ	δ	ϵ	α	β	γ	δ	ϵ	α	β	γ	δ	ϵ	α	β	γ	δ	ϵ	α	β	γ	δ	ϵ																					
22	14.1	14.1	10 40	9.9	10.3	15.1	15.1	11 33	10.8	11.2	16.2	16.0	12 27	11.7	12.1	17.2	17.0	13 20	12.6	13.1	18.2	17.9	14 13	13.5	14.0	19.2	18.9	15 6	14.3	14.9																					
23	2	0	10 23	6	1	2	0	11 16	5	0	2	15.9	12 9	4	0	2	16.9	13 3	3	12.9	2	9	13 55	2	13.8	2	8	14 48	0	8																					
24	2	0	10 6	3	9.9	2	14.9	10 59	2	10.9	2	9	11 52	1	11.8	2	8	12 45	0	8	3	8	13 37	12.9	7	3	7	14 30	13.7	6																					
25	3	13.9	9 49	0	8	3	8	10 42	9.9	7	3	8	11 34	10.8	7	3	8	12 27	11.7	6	3	7	13 19	6	5	3	6	14 11	4	5																					
26	3	8	9 32	8.7	6	3	7	10 25	6	6	3	7	11 17	5	5	3	7	12 9	4	4	3	17.6	13 1	3	4	3	5	13 52	1	3																					
27	14.4	7	9 15	4	4	15.4	7	10 7	3	4	16.4	15.6	10 59	2	3	17.4	16.6	11 51	1	3	18.4	5	12 42	0	2	19.3	18.4	13 34	12.8	1																					
28	4	7	8 58	1	3	4	14.6	9 50	0	2	4	5	10 41	9.9	1	4	5	11 33	10.8	1	4	4	12 24	11.6	0	4	3	13 15	5	13.9																					
29	5	13.6	8 40	7.8	1	5	5	9 32	8.7	0	5	4	10 23	6	0	4	4	11 14	4	11.9	4	3	12 5	3	12.8	4	2	12 56	2	8																					
30	5	5	8 23	5	8.9	5	4	9 14	4	9.8	5	3	10 5	2	10.8	5	3	10 56	1	7	5	17.2	11 47	0	7	5	1	12 37	11.9	6																					
31	14.6	4	8 5	2	7	15.6	3	8 56	0	7	5	15.3	9 47	8.9	6	5	16.2	10 37	9.8	5	5	1	11 28	10.7	5	19.5	0	12 18	6	4																					
32	6	3	7 48	6.8	5	6	14.3	8 38	7.7	5	16.6	2	9 28	6	4	17.6	1	10 19	5	3	18.6	0	11 8	3	3	5	17.9	11 58	2	2																					
33	7	13.3	7 30	5	3	7	2	8 20	4	3	6	1	9 10	3	2	6	0	10 0	1	1	6	16.9	10 49	0	1	6	8	11 39	10.9	0																					
34	7	2	7 12	2	1	7	1	8 1	0	1	7	0	8 51	7.9	0	6	15.9	9 40	8.8	10.9	6	8	10 30	9.7	11.9	6	7	11 19	5	12.8																					
35	14.8	1	6 53	5.8	7.9	15.8	0	7 43	6.7	8.9	7	14.9	8 32	5	9.8	7	8	9 21	4	7	7	7	10 10	3	7	19.6	6	10 59	1	6																					
36	8	0	6 35	5	7	8	13.9	7 24	3	7	16.8	8	8 13	2	6	7	7	9 1	0	5	7	6	9 50	8.9	5	7	5	10 38	9.8	4																					
37	9	12.9	6 16	1	5	9	8	7 5	0	5	8	7	7 53	6.8	4	17.8	6	8 42	7.7	3	18.8	5	9 30	5	2	7	17.3	10 18	4	2																					
38	9	8	5 57	4.7	3	9	7	6 46	5.7	2	9	6	7 34	4	2	8	5	8 22	3	1	8	16.4	9 9	1	0	8	2	9 57	0	0																					
39	15.0	7	5 38	3	1	16.0	6	6 26	3	0	9	5	7 14	0	8.9	9	15.4	8 1	6.9	9.9	8	2	8 48	7.7	10.8	19.8	1	9 36	8.6	11.7																					
40	1	7	5 19	0	6.8	0	5	6 6	4.9	7.8	17.0	14.4	6 53	5.6	7	9	3	7 40	6	6	9	1	8 27	3	5	8	0	9 15	2	5																					
41	1	12.6	4 59	3.5	6	1	13.4	5 46	5	5	0	3	6 33	2	4	18.0	1	7 20	2	4	9	0	8 6	6.9	3	9	16.9	8 53	7.8	2																					
42	2	5	4 39	1	3	1	3	5 26	1	2	0	2	6 12	4.8	2	0	0	6 59	5.7	1	19.0	15.9	7 45	5	0	9	7	8 31	4	0																					
43	15.2	4	4 19	2.7	0	2	2	5 6	3.7	0	1	1	5 51	4	7.9	1	14.9	6 37	3	8.8	0	8	7 23	1	9.8	20.0	6	8 9	6.9	10.7																					
44	3	3	3 59	3	5.8	16.2	1	4 45	2	6.7	17.1	0	5 30	3.9	6	1	8	6 16	4.8	5	0	7	7 1	5.6	5	0	5	7 46	5	4																					
45	3	12.3	3 38	1.8	5	3	0	4 23	2.8	4	2	13.9	5 9	5	3	1	7	5 54	3	2	1	6	6 38	1	2	0	16.4	7 23	0	1																					
46	4	2	3 17	4	2	3	12.9	4 2	3	1	2	8	4 47	0	0	18.2	6	5 31	3.9	7.9	1	15.5	6 15	4.7	8.9	1	3	7 0	5.5	9.8																					
47	15.4	1	2 55	0.9	4.8	4	9	3 39	1.8	5.8	3	7	4 24	2.5	6.7	2	5	5 8	4	6	19.2	4	5 52	2	6	1	2	6 36	0	5																					
48	5	0	2 34	5	5	16.4	8	3 18	3	4	17.3	6	4 1	1	4	3	14.4	4 45	0	3	2	2	5 28	3.8	2	20.1	0	6 12	4.6	2																					
49	5	11.9	2 11	0	2	5	7	2 55	0.8	1	4	5	3 38	1.6	0	3	3	4 21	2.5	6.9	3	1	5 4	3	7.9	2	15.9	5 47	1	8.9																					
50	6	7	1 49	29.5	3.8	5	5	2 32	3	4.7	4	13.3	3 14	1	5.6	4	1	3 57	1.9	6	3	14.9	4 39	2.7	5	2	7	5 22	3.5	5																					
51	15.7	6	1 26	0	4	6	12.4	2 8	29.8	3	5	2	2 50	0.6	3	18.4	0	3 32	3	2	4	8	4 14	1	1	3	6	4 56	2.9	1																					
52	8	5	1 2	28.4	0	16.7	3	1 44	2	7.9	17.5	1	2 25	0	4.9	5	13.9	3 7	0.7	5.8	19.4	7	3 48	1.5	6.7	20.3	5	4 30	3	7.6																					
53	8	11.4	0 38	27.8	2.6	7	2	1 19	28.6	5	6	0	2 0	29.4	4	5	8	2 41	1	4	5	6	3 22	0.9	3	4	15.4	4 3	1.7	2																					
54	9	3	0 13	2	1	8	1	0 54	0	0	7	12.9	1 34	28.8	3.9	6	7	2 15	29.5	4.9	5	14.4	2 55	3	5.8	4	2	3 35	1	6.7																					
55	16.0	1	29 48	26.6	1.6	9	11.9	0 28	27.4	2.5	8	7	1 8	1	4	7	5	1 48	28.9	4	6	2	2 27	29.7	3	5	0	3 7	0.4	2																					
56	1	0	29 22	0	0	17.0	7	0 2	26.7	0	9	6	0 41	27.4	2.9	7	3	1 20	2	3.8	6	0	1 59	0	4.7	5	14.8	2 38	29.7	5.6																					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																														27					
H. M. S. SID. T. 9 21 46 } Ω ARC 140° 26'.6 } 18°						H. M. S. 9 25 43 } Ω 19° 141° 25'.7 }						H. M. S. 9 29 39 } Ω 20° 142° 24'.7 }						H. M. S. 9 33 34 } Ω 21° 143° 23'.5 }						H. M. S. 9 37 29 } Ω 22° 144° 22'.2 }						H. M. S. 9 41 23 } Ω 23° 145° 20'.6 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''					
22	20.2	19.8	15 59	15.2	15.9	21.2	20.8	16 51	16.1	16.8	22.2	21.7	17 43	17.0	17.7	23.2	22.7	18 35	17.9	18.7	24.2	23.6	19 27	18.8	19.6	25.2	24.5	20 19	19.6	20.5					
23	2	7	15 40	14.9	7	2	7	16 32	15.8	6	2	6	17 24	16.7	6	2	6	18 16	6	5	2	5	19 7	5	4	2	4	19 59	3	4					
24	3	6	15 21	6	5	2	6	16 13	5	5	3	5	17 5	4	4	3	4	17 56	3	3	2	4	18 48	2	3	2	3	19 39	0	2					
25	3	5	15 3	3	4	3	5	15 54	2	3	3	4	16 46	1	2	3	3	17 37	0	2	2	2	18 28	17.9	1	2	2	19 18	18.7	0					
26	3	4	14 44	0	2	3	20.4	15 35	14.9	1	3	21.3	16 26	15.8	1	3	22.2	17 17	16.7	0	3	1	18 7	5	18.9	3	0	18 58	4	19.9					
27	3	19.3	14 25	13.7	0	21.3	2	15 16	6	0	22.3	2	16 6	5	16.9	23.3	1	16 57	4	17.8	24.3	0	17 47	2	8	25.3	23.9	18 37	1	7					
28	20.4	2	14 6	4	14.9	4	1	14 56	3	15.8	3	1	15 47	2	7	3	0	16 37	0	7	3	22.9	17 27	16.9	6	3	8	18 17	17.8	5					
29	4	1	13 46	1	7	4	0	14 37	0	6	4	20.9	15 27	14.8	6	4	21.8	16 17	15.7	5	3	8	17 6	6	4	3	7	17 56	4	4					
30	4	0	13 27	12.8	5	4	19.9	14 17	13.6	4	4	8	15 7	5	4	4	7	15 56	4	3	3	6	16 46	2	2	3	5	17 35	1	2					
31	5	18.9	13 7	4	3	4	8	13 57	3	3	4	7	14 46	2	2	4	6	15 36	0	1	4	5	16 25	15.9	1	3	23.4	17 14	16.8	0					
32	5	8	12 47	1	1	21.5	7	13 37	0	1	22.4	6	14 26	13.8	0	23.4	5	15 15	14.7	16.9	24.4	22.4	16 4	6	17.9	25.3	3	16 52	4	18.8					
33	20.5	7	12 27	11.7	13.9	5	6	13 17	12.6	14.9	5	5	14 5	5	15.8	4	21.3	14 54	3	7	4	2	15 42	2	7	4	1	16 31	1	6					
34	6	6	12 7	4	7	5	5	12 56	3	7	5	20.4	13 44	1	6	5	2	14 33	0	5	4	1	15 21	14.8	5	4	0	16 9	15.7	4					
35	6	5	11 47	0	5	6	19.3	12 35	11.9	5	5	2	13 23	12.7	4	5	1	14 11	13.6	3	4	0	14 59	4	3	4	22.8	15 47	3	2					
36	6	18.3	11 26	10.6	3	6	2	12 14	5	3	5	1	13 2	4	2	5	20.9	13 50	2	1	5	21.8	14 37	1	1	4	7	15 25	14.9	0					
37	20.7	2	11 5	3	1	21.6	1	11 53	1	1	22.6	0	12 40	0	0	23.5	8	13 28	12.8	15.9	24.5	7	14 15	13.7	16.9	25.4	5	15 2	5	17.8					
38	7	1	10 44	9.9	12.9	7	0	11 31	10.7	13.8	6	19.9	12 19	11.6	14.8	6	7	13 5	4	7	5	6	13 52	3	7	4	4	14 39	1	6					
39	7	0	10 23	5	7	7	18.8	11 10	3	6	6	8	11 56	2	5	6	5	12 43	0	5	5	5	13 29	12.8	4	5	2	14 16	13.7	4					
40	8	17.8	10 1	1	4	7	7	10 48	9.9	4	7	6	11 34	10.7	3	6	20.4	12 20	11.6	2	5	21.3	13 6	4	2	5	1	13 52	3	1					
41	20.8	7	9 39	8.6	2	8	6	10 25	5	1	7	5	11 11	3	0	23.6	2	11 57	1	0	6	2	12 43	0	15.9	5	21.9	13 28	12.8	16.9					
42	9	6	9 17	2	11.9	21.8	4	10 2	0	12.8	22.7	19.4	10 48	9.9	13.8	7	1	11 34	10.7	14.7	24.6	0	12 19	11.5	7	25.5	8	13 4	4	6					
43	9	5	8 54	7.8	6	8	18.3	9 39	8.6	6	8	2	10 24	4	5	7	19.9	11 10	2	5	6	20.9	11 55	1	4	5	6	12 39	11.9	3					
44	9	17.4	8 31	3	3	9	2	9 16	1	3	8	1	10 1	8.9	2	7	8	10 45	9.8	2	6	7	11 30	10.6	1	6	5	12 14	4	0					
45	21.0	3	8 8	6.8	0	9	1	8 52	7.6	0	8	18.9	9 36	4	12.9	23.8	7	10 21	3	13.9	7	5	11 5	1	14.8	6	21.4	11 48	10.9	15.7					
46	0	1	7 44	3	10.7	9	17.9	8 28	1	11.7	22.9	8	9 12	7.9	6	8	6	9 55	8.8	6	7	4	10 39	9.6	5	6	3	11 22	4	4					
47	0	0	7 20	5.8	4	22.0	8	8 3	6.6	4	9	6	8 47	4	3	8	19.4	9 30	2	2	24.7	2	10 13	1	2	25.6	1	10 56	9.9	1					
48	1	16.8	6 55	3	1	0	6	7 38	1	0	9	4	8 21	6.9	0	8	2	9 4	7.7	12.9	7	0	9 46	8.5	13.9	7	20.9	10 29	3	14.8					
49	21.1	7	6 30	4.8	9.7	1	5	7 12	5.6	10.7	9	3	7 55	4	11.7	23.9	1	8 37	1	6	8	19.8	9 19	0	6	7	7	10 2	8.8	5					
50	1	5	6 4	3	4	1	17.3	6 46	1	4	23.0	1	7 28	5.8	3	9	18.9	8 10	6.6	3	8	7	8 52	7.4	2	7	5	9 33	2	2					
51	2	4	5 37	3.7	0	1	1	6 19	4.5	0	0	17.9	7 1	2	10.9	9	7	7 42	0	11.9	8	6	8 24	6.8	12.8	7	3	9 5	7.6	13.8					
52	2	16.3	5 10	1	8.6	22.2	0	5 52	3.9	9.6	0	8	6 33	4.6	5	9	6	7 14	5.4	5	24.8	4	7 55	2	4	25.8	1	8 35	0	4					
53	21.3	2	4 43	2.5	1	2	16.9	5 24	3	1	1	7	6 4	0	1	24.0	4	6 45	4.8	0	9	2	7 25	5.6	0	8	19.9	8 5	6.3	12.9					
54	3	0	4 15	1.9	7.7	2	7	4 55	2.6	8.6	23.1	5	5 35	3.4	9.6	0	2	6 15	1	10.5	9	0	6 55	4.9	11.6	8	7	7 34	5.6	4					
55	4	15.8	3 47	2	2	3	5	4 26	1.9	1	1	3	5 5	2.7	1	0	0	5 44	3.4	0	9	18.8	6 24	2	0	8	5	7 2	4.9	11.9					
56	5	6	3 17	0.5	6.6	3	3	3 56	2	7.6	2	1	4 35	0	8.5	1	17.8	5 13	2.7	9.4	9	6	5 52	3.5	10.5	9	2	6 30	2	3					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

28																									UPPER MERIDIAN, CUSP OF 10th H.																								
H. M. S. SID. T. 9 41 23 } Ω ARC 145° 20'.6 } 23°						H. M. S. 9 45 16 } Ω 24° 146° 19'.0 }						H. M. S. 9 49 8 } Ω 25° 147° 17'.1 }						H. M. S. 9 53 0 } Ω 26° 148° 15'.1 }						H. M. S. 9 56 52 } Ω 27° 149° 12'.9 }						H. M. S. 10 0 42 } Ω 28° 150° 10'.6 }																			
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3														
Lat.	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌														
22	25.2	24.5	20	19	19.6	20.5	26.2	25.5	21	11	20.5	21.4	27.2	26.4	22	2	21.4	22.4	28.2	27.3	22	53	22.3	23.3	29.2	28.2	23	44	23.2	24.3	0.2	29.1	24	35	24.0	25.2													
23	2	4	19	59	3	4	2	3	20	50	2	3	2	2	21	41	1	2	2	2	22	32	0	2	2	1	23	23	22.9	2	2	0	24	13	23.7	1													
24	2	3	19	39	0	2	2	2	20	30	19.9	1	2	1	21	20	20.8	1	2	0	22	11	21.7	0	2	2	27.9	23	2	5	0	2	28.8	23	52	4	24.9												
25	2	2	19	18	18.7	0	2	1	20	9	6	0	2	0	21	0	5	21.9	2	26.9	21	50	4	22.8	2	8	22	40	2	23.8	2	7	23	30	1	8													
26	3	0	18	58	4	19.9	2	24.9	19	48	3	20.8	2	25.9	20	38	2	8	2	8	21	29	0	7	2	7	22	19	21.9	7	2	5	23	9	22.8	6													
27	25.3	23.9	18	37	1	7	26.3	8	19	28	0	6	27.2	7	20	17	19.8	6	28.2	6	21	7	20.7	5	29.2	5	21	57	6	5	0.2	4	22	47	4	5													
28	3	8	18	17	17.8	5	3	7	19	7	18.6	5	2	6	19	56	5	4	2	5	20	46	4	4	2	27.4	21	35	2	4	2	28.3	22	25	1	3													
29	3	7	17	56	4	4	3	5	18	46	3	3	2	4	19	35	2	2	2	26.3	20	24	0	2	2	2	21	13	20.9	2	2	1	22	2	21.8	1													
30	3	5	17	35	1	2	3	24.4	18	24	0	1	3	25.3	19	13	18.8	1	2	2	20	2	19.7	0	2	1	20	51	5	0	2	0	21	40	4	23.9													
31	3	23.4	17	14	16.8	0	3	3	18	3	17.6	19.9	3	2	18	51	5	20.9	2	1	19	40	3	21.8	2	26.9	20	29	2	22.8	2	27.8	21	17	1	8													
32	25.3	3	16	52	4	18.8	26.3	1	17	41	3	8	27.3	0	18	29	1	7	28.2	25.9	19	18	0	6	29.2	8	20	6	19.8	6	0.2	6	20	54	20.7	6													
33	4	1	16	31	1	6	3	0	17	19	16.9	6	3	24.9	18	7	17.8	5	2	8	18	55	18.6	5	2	6	19	43	5	4	2	5	20	31	3	4													
34	4	0	16	9	15.7	4	3	23.9	16	57	5	4	3	7	17	45	4	3	2	6	18	32	2	3	2	5	19	20	1	2	2	3	20	8	0	2													
35	4	22.8	15	47	3	2	4	7	16	35	1	2	3	6	17	22	0	1	3	4	18	9	17.8	1	2	26.3	18	57	18.7	0	2	2	19	44	19.6	0													
36	4	7	15	25	14.9	0	4	6	16	12	15.7	0	3	4	16	59	16.6	19.9	3	25.3	17	46	4	20.9	2	1	18	33	3	21.8	2	0	19	20	2	22.8													
37	25.4	5	15	2	5	17.8	26.4	4	15	49	3	18.8	27.3	3	16	36	2	7	28.3	1	17	22	0	7	29.2	0	18	9	17.9	6	0.2	26.8	18	56	18.8	6													
38	4	4	14	39	1	6	4	23.2	15	26	14.9	5	3	1	16	12	15.8	5	3	0	16	58	16.6	4	2	25.9	17	45	5	4	2	6	18	31	3	4													
39	5	2	14	16	13.7	4	4	1	15	2	5	3	3	23.9	15	48	4	3	3	24.8	16	34	2	2	2	7	17	20	1	2	2	5	18	6	17.9	1													
40	5	1	13	52	3	1	4	0	14	38	1	1	4	8	15	24	14.9	0	3	6	16	9	15.8	0	2	5	16	55	16.7	0	2	3	17	40	5	21.9													
41	5	21.9	13	28	12.8	16.9	4	22.9	14	14	13.7	17.8	4	6	14	59	5	18.8	3	4	15	44	3	19.7	2	3	16	29	3	20.7	2	1	17	14	0	6													
42	25.5	8	13	4	4	6	26.5	7	13	49	2	6	27.4	4	14	34	0	5	28.3	2	15	19	14.9	5	29.2	2	16	3	15.8	4	0.2	25.9	16	48	16.5	4													
43	5	6	12	39	11.9	3	5	5	13	24	12.7	3	4	23.2	14	8	13.6	2	3	1	14	53	4	2	2	0	15	37	3	1	2	7	16	21	0	1													
44	6	5	12	14	4	0	5	3	12	58	3	0	4	1	13	42	1	17.9	3	23.9	14	26	13.9	18.9	2	24.8	15	10	14.8	19.9	2	6	15	54	15.5	20.8													
45	6	21.4	11	48	10.9	15.7	5	2	12	32	11.8	16.7	4	0	13	16	12.6	6	3	8	14	0	4	6	2	6	14	43	3	6	2	4	15	27	0	6													
46	6	3	11	22	4	4	5	0	12	6	3	4	4	22.8	12	49	1	3	3	6	13	32	12.9	3	2	4	14	15	13.7	3	2	2	14	58	14.5	3													
47	25.6	1	10	56	9.9	1	26.5	21.9	11	39	10.7	1	27.4	6	12	22	11.5	0	28.3	4	13	4	3	0	29.3	2	13	47	1	0	0.2	0	14	30	13.9	0													
48	7	20.9	10	29	3	14.8	6	7	11	12	2	15.8	4	5	11	54	0	16.7	4	2	12	36	11.8	17.7	3	0	13	18	12.5	18.7	2	24.8	14	0	3	19.7													
49	7	7	10	2	8.8	5	6	5	10	44	9.6	5	5	3	11	25	10.4	4	4	0	12	7	2	4	3	23.8	12	49	0	4	2	6	13	30	12.8	4													
50	7	5	9	33	2	2	6	3	10	15	0	1	5	1	10	56	9.8	1	4	22.8	11	38	10.6	0	3	6	12	19	11.4	0	2	4	13	0	2	0													
51	7	3	9	5	7.6	13.8	6	1	9	46	8.4	14.7	5	21.9	10	27	2	15.7	4	6	11	7	0	16.6	3	4	11	48	10.8	17.6	2	2	12	28	11.5	18.6													
52	25.8	1	8	35	0	4	26.6	20.9	9	16	7.7	3	27.5	7	9	56	8.5	3	28.4	4	10	36	9.3	2	29.3	2	11	16	1	2	0.2	0	11	56	10.8	2													
53	8	19.9	8	5	6.3	12.9	7	7	8	45	1	13.9	5	5	9	25	7.8	14.8	4	2	10	5	8.6	15.8	3	0	10	44	9.4	16.8	2	23.8	11	23	1	17.7													
54	8	7	7	34	5.6	4	7	5	8	13	6.4	4	5	3	8	53	1	3	4	0	9	32	7.9	3	3	22.8	10	11	8.7	3	2	5	10	50	9.4	2													
55	8	5	7	2	4.9	11.9	7	3	7	41	5.7	12.9	6	0	8	20	6.4	13.8	4	21.7	8	59	2	14.8	3	5	9	37	7.9	15.8	2	2	10	15	8.7	16.7													
56	9	2	6	30	2	3	7	1	7	8	0	3	6	20.8	7	46	5.6	2	4	5	8	24	6.4	2	3	3	9	2	1	2	2	0	9	40	7.9	1													

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									29						
H. M. S. SID. T. 10 4 33 } Ω ARC 151° 8'.1 } 29°						H. M. S. 10 8 22 } π 0° 152° 5'.5 }					H. M. S. 10 12 11 } π 1° 153° 2'.8 }					H. M. S. 10 16 0 } π 2° 153° 59'.9 }					H. M. S. 10 19 47 } π 3° 154° 56'.8 }					H. M. S. 10 23 35 } π 4° 155° 53'.7 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	
Lat.	Δ	μ	μ	f	ν	Δ	μ	μ	f	ν	Δ	μ	μ	f	ν	Δ	μ	μ	f	ν	Δ	μ	μ	f	ν	Δ	μ	μ	f	ν	
22	1.1	0.0	25 25	24.9	26.2	2.1	1.0	26 16	25.8	27.1	3.1	1.9	27 6	26.6	28.1	4.1	2.8	27 56	27.5	29.0	5.1	3.7	28 46	28.4	29.9	6.0	4.6	29 36	29.2	0.9	
23	1	29.9	25 4	6	0	1	0.8	25 54	5	0	1	7 26	44	3	27.9	1	6 27	34	2	28.8	1	5 28	24	1	8	0	4 29	14	28.9	7	
24	2	7 24	42	3	25.9	1	6 25	32	1	26.8	1	5 26	22	0	8	1	5 27	12	26.9	7	0	3 28	1	27.7	6	0	2 28	51	6	6	
25	1	6 24	20	0	7	1	5 25	10	24.8	7	1	4 26	0	25.7	6	1	3 26	49	5	5	0	2 27	38	4	5	0	1 28	28	3	4	
26	1	4 23	58	23.6	6	1	3 24	48	5	5	3.1	2 25	37	3	4	4.0	1 26	26	2	3	5.0	0 27	15	1	29.3	0	3.9	28	4	27.9	3
27	1.1	29.3	23 36	3	4	2.1	2 24	25	2	4	1	1 25	15	0	27.3	9	1.9	26	4	25.9	2	0	2.8	26 52	26.8	1	0	7 27	41	6	1
28	1	1 23	14	0	2	1	0 24	3	23.8	2	0	0.9	24 52	24.7	1	0	8 25	40	5	0	0	6 26	29	4	0	5.9	5 27	17	3	29.9	
29	1	0 22	51	22.6	1	1	29.9	23 40	5	0	0	7 24	29	3	0	0	6 25	17	2	27.9	0	5 26	5	1	28.8	9	3	26 53	26.9	8	
30	1	28.8	22 28	3	24.9	1	7 23	17	1	25.8	3.0	6 24	5	0	26.8	4.0	4 24	53	24.8	7	4.9	3 25	41	25.7	6	9	2 26	29	6	6	
31	1	7 22	5	21.9	7	1	5 22	54	22.8	7	0	4 23	42	23.6	6	0	3 24	29	5	5	9	1 25	17	3	5	9	0 26	5	2	4	
32	1.1	5 21	42	6	5	2.1	4 22	30	4	5	0	2 23	18	3	4	0	1 24	5	1	3	9	1.9	24 53	0	3	9	2.8	25 40	25.8	2	
33	1	4 21	19	2	3	0	2 22	6	0	3	0	1 22	54	22.9	2	3.9	0.9	23 41	23.8	1	9	8 24	28	24.6	1	5.8	6 25	15	5	0	
34	1	2 20	55	20.8	1	0	0 21	42	21.7	1	3.0	29.9	22 29	5	0	9	7 23	16	4	26.9	9	6 24	3	2	27.9	8	4	24 50	1	28.9	
35	1	0 20	31	4	23.9	0	28.9	21 18	3	24.9	0	7 22	5	1	25.8	9	5 22	51	0	7	4.9	4 23	38	23.8	7	8	2 24	24	24.7	7	
36	1	27.8	20 6	0	7	0	7 20	53	20.9	7	0	5 21	40	21.7	6	9	3 22	26	22.6	5	8	2 23	12	4	5	8	0 23	58	3	5	
37	1.1	7 19	42	19.6	5	2.0	6 20	28	5	5	0	4 21	14	3	4	9	1 22	0	2	3	8	0 22	46	0	3	8	1.8	23 32	23.9	3	
38	1	5 19	17	2	3	0	4 20	3	0	3	2.9	2 20	48	20.9	2	3.9	0 21	34	21.7	1	8	0.8	22 20	22.6	1	5.7	6 23	5	4	1	
39	1	3 18	51	18.7	1	0	2 19	37	19.6	0	9	0 20	22	4	0	9	29.8	21 8	3	25.9	8	6 21	53	1	26.9	7	4 22	38	22.9	27.9	
40	1	1 18	26	3	22.9	0	0 19	11	1	23.8	9	28.8	19 56	0	24.8	8	6 20	41	20.8	7	4.8	4 21	26	21.6	7	7	2 22	11	5	6	
41	1	26.9	17 59	17.8	6	0	27.8	18 44	18.7	6	9	6 19	29	19.6	5	8	4 20	13	3	5	7	2 20	58	2	4	7	0 21	42	0	4	
42	1.1	8 17	33	3	3	2.0	6 18	17	2	3	9	4 19	1	1	3	8	2 19	46	19.8	2	7	0 20	30	20.7	2	6	0.8	21 14	21.5	2	
43	1	6 17	5	16.8	1	0	4 17	50	17.7	0	2.9	2 18	34	18.6	0	3.8	0 19	17	3	0	7	29.8	20 1	2	25.9	5.6	6 20	45	0	26.9	
44	1	4 16	38	3	21.8	0	2 17	22	1	22.7	9	0 18	5	1	23.7	8	28.8	18 48	18.8	24.7	7	6 19	32	19.6	7	6	4 20	15	20.5	6	
45	1	2 16	10	15.8	5	0	0 16	53	16.6	5	9	27.8	17 36	17.5	5	8	6 18	19	3	5	4.7	4 19	2	1	4	6	2 19	45	19.9	3	
46	1	0 15	41	3	2	0	26.8	16 24	1	2	9	6 17	7	0	2	8	4 17	49	17.7	2	6	2 18	32	18.5	1	5	29.9	19 14	3	1	
47	1.1	25.7	15 12	14.7	20.9	2.0	6 15	54	15.5	21.9	8	3 16	37	16.4	22.9	7	2 17	19	1	23.9	6	0 18	1	0	24.8	5	7 18	43	18.8	25.8	
48	1	5 14	42	1	6	0	4 15	23	14.9	6	2.8	1 16	6	15.8	6	3.7	0 16	48	16.6	6	6	6 28.7	17 29	17.4	5	5.5	4 18	11	2	5	
49	1	3 14	12	13.6	3	0	2 14	52	4	2	8	26.8	15 34	2	3	7	27.7	16 16	0	3	4.6	5 16	57	16.8	2	5	1 17	38	17.6	1	
50	1	1 13	41	0	19.9	0	25.9	14 21	13.8	20.9	8	6 15	2	14.6	21.9	7	4 15	43	15.4	22.9	6	2 16	24	2	23.8	5	28.9	17 4	0	24.8	
51	0	24.9	13 9	12.3	5	1.9	7 13	49	2	5	8	4 14	29	13.9	5	7	2 15	10	14.7	5	5	27.9	15 50	15.5	4	4	6 16	30	16.3	4	
52	1.0	7 12	36	11.6	1	9	5 13	16	12.5	1	2.8	2 13	56	2	1	3.6	0 14	35	0	1	5	7 15	15	14.8	0	5.4	4 15	55	15.6	0	
53	0	4 12	3	10.9	18.7	9	3 12	42	11.8	19.7	8	0 13	21	12.5	20.7	6	26.7	14	0	13.3	21.7	4.5	4 14	40	1	22.6	4	1 15	19	14.9	23.6
54	0	2 11	28	2	2	9	0 12	8	0	2	8	25.7	12 46	11.8	2	6	4 13	25	12.5	2	5	1 14	3	13.3	1	3	27.8	14 42	1	1	
55	0	23.9	10 54	9.5	17.7	9	24.7	11 32	10.2	18.7	8	4 12	10	0	19.7	6	1 12	48	11.7	20.7	5	26.8	13 26	12.5	21.6	3	5 14	4	13.3	22.6	
56	0	6 10	18	8.7	1	8	4 10	55	9.4	1	7	1 11	33	10.2	1	5	25.8	12 10	10.9	1	4	5 12	47	11.6	0	3	2 13	25	12.5	0	

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

30																														UPPER MERIDIAN, CUSP OF 10th H.																													
H. M. S. SID. T. 10 23 35 } μ ARC 155° 53'.7 } 4°										H. M. S. 10 27 22 } μ 5° 156° 50'.4 } 5°										H. M. S. 10 31 8 } μ 6° 157° 47'.0 } 6°										H. M. S. 10 34 54 } μ 7° 158° 43'.4 } 7°										H. M. S. 10 38 39 } μ 8° 159° 39'.8 } 8°										H. M. S. 10 42 24 } μ 9° 160° 36'.0 } 9°									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																								
Lat.	Δ	μ	μ	f	Σ	Δ	μ	f	μ	Σ	Δ	μ	f	μ	Σ	Δ	μ	f	μ	Σ	Δ	μ	f	μ	Σ	Δ	μ	f	μ	Σ	Δ	μ	f	μ	Σ																								
22	6.0	4.6	29.36	29.2	0.9	7.0	5.5	0.26	0.1	1.8	8.0	6.3	1.15	1.0	2.7	9.0	7.2	2.5	1.8	3.7	9.9	8.1	2.55	2.7	4.6	10.9	9.0	3.44	3.6	5.6																													
23	0	4.29	14	28.9	7	0	3.0	3	29.8	7	0	2.0	52	0.6	6	8.9	1.142	5	5	9	7.9	2.31	4	5	9	8.8	3.20	2	4																														
24	0	2.28	51	6	6	0	1.29	40	5	5	7.9	0.0	29	3	5	9	6.9	1.18	2	4	9	7.2	7	1	3	8	6.256	2.9	3																														
25	0	1.28	28	3	4	6.9	4.9	29.17	1	4	9	5.8	0.6	0	3	9	7.0	54	0.9	2	8	5.143	1.7	2	8	4.232	6	2																															
26	0	3.9	28	4	27.9	3	9	7.28	53	28.8	2	9	6.29	42	29.7	2	9	5.0	30	5	1	8	3.119	4	0	8	2.2	8	3	0																													
27	0	7.27	41	6	1	9	6.28	29	5	0	9	4.29	18	3	0	8	3.0	6	2	2.9	9.8	2.0	55	1	3.9	10.7	0.143	1.9	4.9																														
28	5.9	5.27	17	3	29.9	9	4.28	6	1	0.9	9	3.28	54	0	1.8	8.8	1.29	42	29.9	8	8	0.0	30	0.7	7	7	7.8	1.18	6	7																													
29	9	3.26	53	26.9	8	9	2.27	41	27.8	7	7.8	1.28	29	28.6	7	8	5.9	29.17	5	6	7	6.8	0.5	4	6	7	6.0	53	2	5																													
30	9	2.26	29	6	6	6.8	0.27	17	4	6	8	4.9	28	5	3	5	7	7.28	52	1	5	7	6.29	40	0	4	6	4.0	28	0.9	4																												
31	9	0.26	5	2	4	8	3.8	26	52	1	4	8	7.27	40	27.9	3	7	5.28	27	28.8	3	7	4.29	15	29.6	3	6	2.0	2	5	2																												
32	9	2.8	25	40	25.8	2	8	6.26	28	26.7	2	8	5.27	15	6	2	7	3.28	2	4	1	9.6	2.28	49	3	1	10.6	0.29	36	1	0																												
33	5.8	6.25	15	5	0	8	4.26	2	3	0	7	3.26	49	2	0	8.7	1.27	36	0	1.9	6	0.28	23	28.9	2.9	5	6.8	29.10	29.8	3.9																													
34	8	4.24	50	1	28.9	8	3.25	37	25.9	29.8	7.7	1.26	23	26.8	0.8	6	4.9	27	10	27.6	8	6	5.8	27	56	5	7	5	6.28	43	4	7																											
35	8	2.24	24	24.7	7	6.7	1.25	11	5	6	7	3.9	25	57	4	6	6	7.26	43	2	6	5	6.27	30	1	5	5	4.28	16	0	5																												
36	8	0.23	58	3	5	7	2.9	24	44	1	4	7	7.25	30	0	4	6	5.26	17	26.8	4	5	4.27	2	27.6	3	4	2.27	48	28.5	3																												
37	8	1.8	23	32	23.9	3	7	7.24	18	24.7	2	6	5.25	3	25.6	2	5	4.25	49	4	2	9.5	2.26	35	2	1	10.4	0.27	20	1	1																												
38	5.7	6.23	5	4	1	7	4.23	51	3	0	6	3.24	36	1	0	8.5	2.25	22	25.9	0	4	0.26	7	26.8	1.9	3	5.8	26	52	27.6	2.9																												
39	7	4.22	38	22.9	27.9	6	2.23	23	23.8	28.8	7.6	1.24	8	24.6	29.8	5	0.24	53	5	0.8	4	4.8	25	38	3	7	3	6.26	23	2	7																												
40	7	2.22	11	5	6	6.6	0.22	55	3	6	5	2.9	23	40	2	6	4	3.7	24	25	0	5	4	5.25	9	25.8	5	3	3.25	54	26.7	5																											
41	7	0.21	42	0	4	6	1.8	22	27	22.9	4	5	7.23	11	23.7	4	4	5.23	55	24.5	3	3	3.24	40	4	3	2	1.25	24	2	3																												
42	6	0.8	21	14	21.5	2	6	6.21	58	4	1	5	5.22	42	2	1	8.4	2.23	26	0	1	9.3	0.24	10	24.9	1	10.2	4.8	24	53	25.7	0																											
43	5.6	6.20	45	0	26.9	5	3.21	28	21.9	27.9	4	2.22	12	22.6	28.9	3	0.22	56	23.5	29.8	3	3.8	23	39	3	0.8	1	6.24	22	1	1.8																												
44	6	4.20	15	20.5	6	6.5	1.20	58	3	6	7.4	0.21	42	1	6	3	2.7	22	25	0	6	2	5.23	8	23.8	6	1	3.23	51	24.6	5																												
45	6	2.19	45	19.9	3	5	0.9	20	28	20.8	3	4	1.7	21	21.5	4	3	5.21	54	22.4	4	2	3.22	36	2	4	0	1.23	19	0	3																												
46	5.29.9	19	14	3	1	5	7.19	57	2	1	3	5.20	39	0	1	8.2	3.21	22	21.9	1	2	0.22	4	22.7	1	0	3.8	22	46	23.5	1																												
47	5	7.18	43	18.8	25.8	4	5.19	25	19.6	26.8	3	3.20	7	20.4	27.8	2	1.20	49	3	28.8	9.1	2.7	21	31	1	29.8	9.9	6.22	12	22.9	0.8																												
48	5.5	4.18	11	2	5	6.4	3.18	52	0	5	7.3	0.19	34	19.8	5	2	1.8	20	15	20.7	5	1	5.20	57	21.5	5	9	3.21	38	3	5																												
49	5	1.17	38	17.6	1	4	0.18	19	18.4	1	2	0.7	19	0	2	1	5.19	41	0	2	0	2.20	22	20.8	2	9	0.21	3	21.7	2																													
50	5.28.9	17	4	0	24.8	4	29.7	17	45	17.8	25.8	2	4.18	25	18.6	26.8	8.1	2.19	6	19.4	27.8	0	1.9	19	46	2	28.8	8	2.7	20	27	0	29.8																										
51	4	6.16	30	16.3	4	3	4.17	10	1	4	2	1.17	50	17.9	4	1	0.9	18	30	18.7	4	8.9	6.19	10	19.5	4	8	4.19	50	20.3	4																												
52	5.4	4.15	55	15.6	0	6.3	1.16	34	16.4	0	7.1	29.8	17	14	2	0	0	6.17	53	0	0	9	3.18	33	18.8	0	9.7	1.19	12	19.6	0																												
53	4	1.15	19	14.9	23.6	3	28.8	15	58	15.6	24.6	1	5.16	37	16.4	25.6	0	3.17	16	17.2	26.6	8	0.17	54	0	27.6	7	1.8	18	33	18.8	28.6																											
54	3.27.8	14	42	1	1	2	5.15	20	14.8	1	0	2.15	59	15.6	1	7.9	0.16	37	16.4	1	7	0.7	17	15	17.2	1	6	5.17	54	0	2																												
55	3	5.14	4	13.3	22.6	2	2.14	43	0	23.6	0	28.9	15	20	14.8	24.6	9	29.7	15	57	15.5	25.6	7	4.16	35	16.3	26.6	6	1.17	13	17.1	27.7																											
56	3	2.13	25	12.5	0	1	27.9	14	2	13.1	1	6.9	6.14	39	13.9	1	8	3.15	17	14.6	1	6	0.15	54	15.4	1	5	0.7	16	31	16.2	2																											

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.

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H. M. S. SID. T. 10 46 9 } π ARC 161° 32'.2 } 10°						H. M. S. 10 49 53 } π 11° 162° 28'.2 } 11°						H. M. S. 10 53 37 } π 12° 163° 24'.1 } 12°						H. M. S. 10 57 20 } π 13° 164° 20'.0 } 13°						H. M. S. 11 1 3 } π 14° 165° 15'.7 } 14°						H. M. S. 11 4 46 } π 15° 166° 11'.4 } 15°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞					
22	11.9	9.9	4.33	4.4	6.5	12.8	10.7	5.22	5.3	7.5	13.8	11.6	6.11	6.2	8.4	14.7	12.5	7.1	7.0	9.4	15.7	13.3	7.50	7.9	10.3	16.6	14.2	8.38	8.8	11.3					
23	8	7	4.9	1	4	8	5	4.58	0	3	7	4	5.47	5.8	3	7	3	6.36	6.7	3	6	1	7.25	6	2	6	0	8.13	4	2					
24	8	5	3.45	3.8	3	7	3	4.34	4.6	2	7	2	5.22	5	2	6	1	6.11	4	1	6	12.9	7	0	2	1	5	13.8	7.48	1	0				
25	8	3	3.21	5	1	7	1	4.9	3	1	7	0	4.58	2	0	6	11.9	5.46	0	0	5	7	6.35	6.9	0	5	6	7.23	7.8	10.9					
26	7	1	2.56	1	0	7	9.9	3.44	0	6.9	6	10.8	4.33	4.8	7.9	6	7	5.21	5.7	8.9	15.5	5	6	9	6	9.8	4	4	6.57	4	8				
27	11.7	8.9	2.31	2.8	5.8	12.6	7	3.19	3.6	8	13.6	6	4.7	5	8	14.5	4	4.55	4	7	4	3	5.43	2	7	16.4	1	6.31	1	6					
28	7	7	2.6	4	7	6	5	2.54	3	6	5	4	3.42	2	6	5	2	4.30	0	6	4	1	5.17	5.9	5	3	12.9	6	5	6.7	5				
29	6	5	1.41	1	5	6	3	2.28	2.9	5	5	2	3.16	3.8	5	4	0	4.4	4.7	4	4	11.9	4.51	5	4	3	7	5.39	4	10.4					
30	6	3	1.15	1.7	4	5	1	2.3	6	6.3	4	9.9	2.50	4	7.3	4	10.8	3.37	3	3	15.3	6	4.25	2	2	2	5	5.12	0	2					
31	6	1	0.49	4	2	12.5	8.9	1.36	2	2	4	7	2.24	1	1	14.3	6	3.11	3.9	1	3	4	3.58	4.8	1	2	2	4.45	5.7	0					
32	11.5	7.9	0.23	0	0	4	7	1.10	1.9	0	13.4	5	1.57	2.7	0	3	4	2.44	6	7.9	2	2	3.30	4	8.9	16.1	0	4.17	3	9.9					
33	5	6	29.56	0.6	4.8	4	5	0.43	5	5.8	3	3	1.30	3	6.8	2	1	2.16	2	8	2	0	3.3	0	7	1	11.8	3.49	4.9	7					
34	4	4	29.29	2	6	3	2	0.16	1	7	3	1	1.2	1.9	6	2	9.9	1.48	2.8	6	15.1	10.7	2.35	3.6	6	0	5	3.21	5	5					
35	4	2	29.2	2.8	5	12.3	0	29.48	0.7	5	2	8.8	0.34	5	4	14.1	6	1.20	4	4	1	5	2.6	2	4	0	3	2.52	1	4					
36	4	0	28.34	4	3	3	7.8	29.20	3	3	2	6	0.6	1	2	1	4	0.51	0	2	0	2	1.37	2.8	2	15.9	0	2.23	3.7	2					
37	11.3	6.8	28.6	0	1	2	6	28.51	29.8	1	13.1	4	29.37	0.7	0	0	2	0.22	1.5	0	0	0	1.7	4	0	9	10.8	1.53	2	0					
38	3	6	27.37	28.5	3.9	2	4	28.22	4	4.9	1	2	29.7	2	5.8	0	0	29.53	1	6.8	14.9	9.8	0.37	1.9	7.8	8	5	1.23	2.8	8.8					
39	2	4	27.8	0	7	12.1	2	27.53	28.9	7	0	0	28.38	29.7	6	13.9	8.8	29.22	0.6	6	8	6	0.7	4	6	7	3	0.52	3	6					
40	2	1	26.38	27.5	5	1	6.9	27.23	4	4	0	7.7	28.7	2	4	9	5	28.52	1	4	8	3	29.36	0.9	4	7	0	0.21	1.8	4					
41	11.1	5.9	26.8	0	2	0	7	26.52	27.9	2	12.9	5	27.36	28.7	2	8	3	28.20	29.6	2	7	0	29.5	4	2	15.6	9.7	29.49	3	2					
42	1	6	25.38	26.5	0	0	4	26.21	4	0	9	2	27.5	2	0	8	0	27.49	1	0	7	8.8	28.32	29.9	0	6	5	29.16	0.8	7.9					
43	0	4	25.6	0	2.8	11.9	1	25.49	26.8	3.8	8	6.9	26.33	27.7	4.7	13.7	7.7	27.16	28.5	5.7	14.6	5	27.59	4	6.7	5	2	28.43	2	7					
44	0	1	24.34	25.4	5	9	5.9	25.17	3	5	8	7	26.0	1	5	6	4	26.43	0	5	5	2	27.26	28.8	5	4	8.9	28.9	29.7	4					
45	10.9	4.8	24.2	24.9	3	8	6	24.44	25.7	3	7	4	25.27	26.5	3	6	1	26.9	27.4	3	5	7.9	26.52	2	2	3	6	27.34	1	2					
46	9	5	23.28	3	1	8	3	24.10	1	0	12.6	1	24.52	25.9	0	5	6.8	25.34	26.8	0	4	6	26.16	27.6	0	15.3	3	26.59	28.5	0					
47	8	3	22.54	23.7	1.8	7	1	23.36	24.5	2.7	6	5.8	24.17	3	3.7	13.4	5	24.59	2	4.7	3	3	25.41	0	5.7	2	0	26.22	27.9	6.7					
48	8	0	22.19	1	5	11.7	4.8	23.0	23.9	4	5	5	23.42	24.7	4	4	2	24.23	25.6	4	14.2	0	25.4	26.4	4	1	7.7	25.45	2	4					
49	10.7	3.7	21.44	22.4	2	6	5	22.24	3	1	5	2	23.5	1	1	3	5.9	23.46	24.9	1	2	6.7	24.27	25.7	1	1	4	25.7	26.5	1					
50	7	4	21.7	21.8	0.8	6	2	21.47	22.6	1.8	4	4.9	22.28	23.4	2.8	3	6	23.8	2	3.8	1	4	23.48	0	4.8	0	1	24.28	25.9	5.8					
51	6	1	20.30	1	4	5	3.9	21.9	21.9	4	12.3	6	21.49	22.7	4	13.2	3	22.29	23.5	4	1	1	23.9	24.3	4	14.9	6.8	23.49	2	4					
52	6	2.8	19.52	20.4	0	11.5	6	20.31	1	0	3	3	21.10	21.9	0	2	0	21.49	22.7	0	0	5.7	22.28	23.5	0	9	4	23.8	24.4	1					
53	10.5	5	19.12	19.6	29.6	4	2	19.51	20.3	0.6	2	3.9	20.29	1	1.6	1	4.7	21.8	21.9	2.6	13.9	4	21.47	22.7	3.6	8	1	22.26	23.6	4.7					
54	5	2	18.32	18.8	2	3	2.9	19.10	19.5	2	2	6	19.48	20.3	2	0	3	20.26	1	2	8	0	21.4	21.9	2	7	5.7	21.42	22.7	3					
55	4	1.8	17.50	17.9	28.7	2	5	18.28	18.6	29.7	1	2	19.5	19.4	0.7	12.9	3.9	19.43	20.2	1.8	8	4.6	20.20	0	2.8	6	3	20.58	21.8	3.9					
56	3	4	17.7	0	2	1	1	17.45	17.7	2	1	2.8	18.21	18.5	2	9	5	18.58	19.3	3	7	2	19.35	20.0	3	5	4.9	20.12	20.8	4					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

32																																UPPER MERIDIAN, CUSP OF 10th H.																															
H. M. S. SID. T. 11 4 46 } μ ARC 166° 11'.4 } 15°										H. M. S. 11 8 28 } μ 16° 167° 7'.0 } 16°										H. M. S. 11 12 10 } μ 17° 168° 2'.5 } 17°										H. M. S. 11 15 52 } μ 18° 168° 58'.0 } 18°										H. M. S. 11 19 33 } μ 19° 169° 53'.4 } 19°										H. M. S. 11 23 15 } μ 20° 170° 48'.7 } 20°													
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																												
Lat.	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞	Δ	μ	f	ν	∞																												
22	16.6	14.2	8 38	8.8	11.3	17.6	15.0	9 27	9.6	12.3	18.5	15.9	10 16	10.5	13.2	19.4	16.7	11 5	11.4	14.2	20.4	17.6	11 53	12.3	15.2	21.3	18.4	12 42	13.1	16.1																																	
23	6	0	8 13	4	2	5 14.8	9 2	3	1	4	7 9 51	2	1	4	5 10 39	1	1	3	4	11 28	11.9	0	2	2 12 16	12.8	0	2	2 12 16	12.8	0																																	
24	5	13.8	7 48	1	0	5 6 8 37	0	0	4	5 9 25	9.8	0	3	3 10 14	10.7	13.9	2	2	11 2	6 14.9	2	0	11 50	5 15.9																																							
25	5	6	7 23	7.8	10.9	4 4 8 11	8.6	11.9	3	2 8 59	5 12.8	3	1	9 48	4	8	2	16.9	10 36	3	8	1 17.8	11 24	2	8																																						
26	4	4	6 57	4	8	17.4	2 7 45	3	8	3	0 8 33	2	7	2 15.8	9 22	1	7	20.1	7 10 10	10.9	7	1	6 10 58	11.8	7																																						
27	16.4	1	6 31	1	6	3 0 7 19	0	6	18.2	14.8	8 7	8.8	6	19.2	6 8 55	9.7	6	1	5 9 43	6	5	0	3 10 31	5	5																																						
28	3	12.9	6 5	6.7	5	3 13.7	6 53	7.6	5	2	6 7 40	5	4	1	4 8 28	4 13.4	0	2	9 16	2 14.4	20.9	1	10 3	1 15.4																																							
29	3	7	5 39	4	10.4	2 5 6 26	3	11.3	1	3 7 14	1 12.3	0	2	8 1	0	3	19.9	0 8 48	9.9	3	9 16.8	9 36	10.8	3																																							
30	2	5	5 12	0	2	17.1	3 5 59	6.9	2	1	1 6 46	7.8	2	0 14.9	7 34	8.6	1	9 15.8	8 21	5	1	8	6 9 8	4	1																																						
31	2	2	4 45	5.7	0	1 1 5 32	5	0	0 13.9	6 19	4	0	18.9	7 7 6	3	0	8	5 7 53	2	0	7	3 8 40	1	0																																							
32	16.1	0	4 17	3	9.9	0 12.8	5 4	2 10.9	17.9	6 5 51	0	11.9	9	5 6 37	7.9	12.8	8	3 7 24	8.8	13.8	7	1 8 11	9.7	14.8																																							
33	1	11.8	3 49	4.9	7	0 6 4 36	5.8	7	9	4 5 22	6.7	7	8	2 6 9	5	7	7	0 6 55	4	7	20.6	15.8	7 42	3	7																																						
34	0	5	3 21	5	5	16.9	3 4 7	4	5	8	1 4 53	3	5	7	0 5 39	1	5	19.6	14.8	6 26	0	5	5	6 7 12	8.9	5																																					
35	0	3	2 52	1	4	9 1 3 38	0	4	8 12.9	4 24	5.8	4	7	13.7	5 10	6.7	4	6	5 5 56	7.6	3	5	3 6 42	5	3																																						
36	15.9	0	2 23	3.7	2	8 11.8	3 8	4.5	2	17.7	6 3 54	4	2	18.6	4 4 40	3	2	5	2 5 25	2	2	4	0 6 11	0	2																																						
37	9	10.8	1 53	2	0	7 6 2 38	1	0	6	4 3 24	0	0	5	2 4 9	5.8	0	4	0 4 55	6.7	0	3	14.8	5 40	7.6	0																																						
38	8	5	1 23	2.8	8.8	7 3 2 8	3.6	9.8	6	1 2 53	4.5	10.8	5	12.9	3 38	4 11.8	4	13.8	4 23	3 12.8	20.2	5	5 8	1 13.8																																							
39	7	3	0 52	3	6	16.6	1 1 37	1	6	5 11.8	2 21	0	6	4	6 3 6	4.9	6	19.3	5 3 51	5.8	6	2	3 4 36	6.6	6																																						
40	7	0	0 21	1.8	4	6 10.8	1 5	2.6	4	17.4	6 1 49	3.5	4	3	4 2 34	4	4	2	2 3 18	2	4	1	0 4 3	1	4																																						
41	15.6	9.7	29 49	3	2	5 5 0 33	1	2	4	3 1 17	0	2	18.3	1 2 1	3.9	2	1	12.9	2 45	4.7	2	0 13.7	3 29	5.6	2																																						
42	6	5	29 16	0.8	7.9	4 2 0 0	1.6	8.9	3	0 0 43	2.5	9.9	2	11.8	1 27	3	0	1	6 2 11	2	0	19.9	4 2 55	1	0																																						
43	5	2	28 43	2	7	4 0 29 26	1	7	2	10.7	0 9	1.9	7	1	5 0 53	2.8	10.7	0	3	1 36	3.6	11.7	9	1 2 20	4.5	12.8																																					
44	4	8.9	28 9 29.7	4	16.3	9.7	28 52	0.5	5	17.2	4 29 35	3	5	0	2 0 18	2	5	18.9	0 1 1	1	5	8 12.8	1 44	3.9	5																																						
45	3	6	27 34	1	2	2 4 28 17	29.9	3	1	2 28 59	0.7	3	17.9	10.9	29 42	1.6	3	8	11.7	0 24	2.5	3	7	5 1 7	3	3																																					
46	15.3	3	26 59	28.5	0	1 1 27 41	3	1	0	9.9	28 23	1	1	8	6 29 5	0	1	7	4 29 47	1.9	1	19.6	2 0 30	2.7	1																																						
47	2	0	26 22	27.9	6.7	0 8.8	27 4	28.7	7.8	0	6 27 46	29.5	8.8	8	3 28 28	0.4	9.8	7	0 29 9	2 10.9	5	11.9	29 51	1	11.8																																						
48	1	7.7	25 45	2	4	0 5 26 26	0	5	16.9	3 27 8	28.9	5	7	0 27 49	29.7	5	18.6	10.7	28 30	0.6	6	4	5 29 12	1.4	5																																						
49	1	4	25 7 26.5	1	15.9	2 25 48	27.4	2	8	0 26 29	2	2	17.6	9.7	27 10	1	2	5	3 27 51	29.9	3	3	2 28 31	0.8	3																																						
50	0	1	24 28	25.9	5.8	8 7.8	25 9	26.7	6.9	7	8.6	25 49	27.5	7.9	5	3 26 29	28.4	8.9	4	0 27 10	2	0	19.2	10.8	27 50	1	0																																				
51	14.9	6.8	23 49	2	4	7 5 24 28	25.9	5	6	3 25 8	26.8	6	5	0 25 48	27.6	6	3	9.7	26 28	28.5	9.7	1	4 27 8	29.3	10.7																																						
52	9	4	23 8 24.4	1	7	1 23 47	1	1	16.6	7.9	24 26	0	2	4	8.6	25 5	26.8	2	18.2	3 25 45	27.7	3	0	0 26 24	28.5	4																																					
53	8	1	22 26	23.6	4.7	15.6	6.8	23 4	24.3	5.7	5	5 23 43	25.1	6.8	17.3	2 24 22	25.9	7.8	1	8.9	25 0	26.8	8.9	18.9	9.6	25 39	27.7	0																																			
54	7	5.7	21 42	22.7	3	5	4 22 20	23.4	3	4	1 22 58	24.2	4	2	7.8	23 37	0	4	0	5 24 15	25.9	5	8	2 24 53	26.8	9.6																																					
55	6	3	20 58	21.8	3.9	4	0 21 35	22.5	4.9	3	6.7	22 13	23.3	0	1	4 22 50	24.1	0	17.9	1 23 28	24.9	1	7	8.8	24 5	25.8	2																																				
56	5	4.9	20 12	20.8	4	3	5.6	20 49	21.5	4	2	3 21 26	22.3	5.5	0	0 22 3	23.1	6.5	8	7.7	22 39	23.9	7.6	6	4 23 16	24.8	8.7																																				

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												33									
H. M. S. SID. T. 11 26 56 } π ARC 171° 44'.0 } 21°						H. M. S. 11 30 37 } π 22° 172° 39'.2 } 22°					H. M. S. 11 34 18 } π 23° 173° 34'.4 } 23°					H. M. S. 11 37 58 } π 24° 174° 29'.6 } 24°					H. M. S. 11 41 39 } π 25° 175° 24'.7 } 25°					H. M. S. 11 45 19 } π 26° 176° 19'.8 } 26°											
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3							
Lat.	Δ	μ	ρ	ν	ξ	Δ	μ	ρ	ν	ξ	Δ	μ	ρ	ν	ξ	Δ	μ	ρ	ν	ξ	Δ	μ	ρ	ν	ξ	Δ	μ	ρ	ν	ξ							
22	22.2	19.3	13.31	14.0	17.1	23.2	20.1	14.20	14.9	18.1	24.1	21.0	15.9	15.8	19.1	25.0	21.8	15.58	16.7	20.0	25.9	22.7	16.47	17.6	21.0	26.9	23.5	17.36	18.5	22.0							
23	2	1	13	5	13.7	0	1	19.9	13.54	6	0	0	20.7	14.43	5	18.9	24.9	6	15.31	4	19.9	9	4	16.20	3	20.9	8	3	17	9	2	21.9					
24	1	18.8	12.39	4	16.9	0	7	13.28	2	17.8	0	5	14.16	2	8	9	3	15.5	0	8	8	2	15.53	16.9	8	7	0	16.42	17.8	8							
25	0	6	12	13	0	8	0	4	13	1	13.9	7	23.9	3	13.49	14.8	7	8	1	14.38	15.7	7	7	21.9	15.26	6	7	6	22.8	16.15	5	7					
26	0	4	11	46	12.7	6	22.9	2	12.34	6	6	8	0	13.22	5	6	7	20.9	14.10	4	6	7	7	14.58	3	6	26.6	5	15.47	2	6						
27	21.9	1	11	19	4	5	8	0	12	6	2	5	7	19.8	12.55	1	18.5	7	6	13.43	0	19.5	25.6	4	14.31	15.9	5	5	3	15	19	16.8	4				
28	9	17.9	10.51	0	16.4	8	18.7	11.39	12.9	17.4	7	5	12.27	13.8	3	24.6	4	13.15	14.7	3	5	2	14.3	6	20.3	4	0	14.50	5	21.3							
29	8	7	10	23	11.7	2	7	5	11	11	5	2	23.6	3	11.59	4	2	5	1	12.46	3	2	4	20.9	13.34	2	2	3	21.7	14.22	1	2					
30	7	4	9	55	3	1	6	2	10	43	2	1	5	0	11.30	1	1	4	19.8	12.17	0	1	3	7	13.5	14.9	1	26.3	5	13.53	15.8	1					
31	6	2	9	27	10.9	0	22.5	0	10	14	11.8	0	5	18.8	11	1	12.7	17.9	4	6	11.48	13.6	18.9	25.3	4	12.35	5	0	2	2	13	23	4	0			
32	21.6	16.9	8.57	6	15.8	5	17.7	9.44	5	16.8	4	5	10.31	3	8	3	3	11.19	2	8	2	1	12.6	1	19.8	1	20.9	12.53	0	20.8							
33	5	6	8	28	2	7	4	4	9	15	1	7	23.3	2	10	1	11.9	6	24.2	0	10.48	12.8	7	1	19.9	11.35	13.7	7	0	7	12	22	14.6	7			
34	4	4	7	58	9.8	5	3	2	8	45	10.7	5	2	0	9.31	5	5	1	18.8	10.18	4	5	0	6	11.4	3	5	25.9	4	11.51	2	5					
35	4	1	7	28	4	3	22.3	16.9	8	14	2	3	1	17.7	9	0	1	17.3	0	5	9.46	0	18.3	24.9	3	10.33	12.9	4	8	1	11	19	13.8	4			
36	3	15.9	6.57	8.9	2	2	6	7	43	9.8	2	0	4	8	29	10.7	2	0	2	9.15	11.5	2	8	0	10	1	4	2	7	19.8	10.47	3	2				
37	21.2	6	6	26	5	0	1	3	7	11	3	0	22.9	1	7	57	2	0	23.9	17.9	8	42	1	0	8	18.7	9	28	0	0	6	5	10	14	12.9	1	
38	1	4	5	53	0	14.8	0	1	6	39	8.9	15.8	8	16.9	7	24	9.7	16.8	8	6	8	9	10.6	17.8	7	4	8	55	11.5	18.9	25.6	2	9	40	4	19.9	
39	1	1	5	21	7.5	6	21.9	15.8	6	6	4	6	7	6	6	51	3	6	7	4	7	36	1	7	24.6	2	8	21	0	7	5	0	9	6	11.9	7	
40	0	14.8	4	47	0	4	9	5	5	32	7.9	4	6	3	6	17	8.8	5	6	1	7	2	9.6	5	5	17.9	7	46	10.5	5	4	18.7	8	31	4	5	
41	20.9	5	4	13	6.5	2	8	2	4	58	4	2	22.6	15.9	5	42	2	3	5	16.8	6	27	1	3	4	6	7	11	0	3	3	4	7	56	10.9	3	
42	8	2	3	39	5.9	0	7	14.9	4	23	6.8	0	5	6	5	7	7.7	0	23.4	5	5	51	8.6	1	3	3	6	35	9.5	1	25.2	0	7	19	4	1	
43	7	13.9	3	3	4	13.8	21.6	6	3	47	3	14.8	5	3	4	30	1	15.8	3	2	5	14	0	16.8	24.2	16.9	5	58	8.9	17.9	1	17.7	6	42	9.8	18.9	
44	6	5	2	27	4.8	5	5	3	3	10	5.7	6	4	0	3	53	6.5	6	2	15.9	4	37	7.4	6	1	6	5	20	3	6	0	3	6	4	2	7	
45	20.6	2	1	50	2	3	4	0	2	33	1	4	22.3	14.7	3	16	5.9	4	1	5	3	58	6.8	4	0	2	4	41	7.7	4	24.9	0	5	25	8.6	6	
46	5	12.9	1	12	3.6	1	3	13.7	1	54	4.5	2	2	4	2	37	3	2	0	2	3	19	2	2	23.9	15.9	4	2	1	2	8	16.6	4	44	0	4	
47	4	6	0	33	2.9	12.9	21.2	4	1	15	3.8	13.9	1	0	1	57	4.7	0	22.9	14.9	2	39	5.5	0	8	6	3	21	6.4	0	7	3	4	3	7.3	2	
48	3	3	29	53	3	6	1	0	0	35	2	6	0	13.6	1	16	0	14.8	8	5	1	58	4.9	15.7	7	2	2	40	5.7	16.8	6	15.9	3	21	6.6	0	
49	20.2	11.9	29	12	1.6	3	0	12.6	29	53	2.5	4	21.9	3	0	34	3.3	5	7	1	1	15	2	5	6	14.8	1	57	1	5	24.4	5	2	38	0	17.7	
50	1	5	28	30	0.9	0	20.9	2	29	11	1.8	1	8	12.9	29	51	2.6	2	6	13.7	0	32	3.5	2	5	4	1	13	4.4	3	3	1	1	54	5.3	4	
51	0	1	27	48	1	11.7	8	11.8	28	27	0	12.8	7	5	29	7	1.8	13.9	5	3	29	47	2.7	14.9	23.4	0	0	28	3.6	0	2	14.7	1	8	4.5	1	
52	19.9	10.7	27	3	29.3	4	7	4	27	42	0.2	5	6	1	28	22	0	6	22.4	12.9	29	2	1.9	6	3	13.6	29	41	2.8	15.7	1	3	0	21	3.7	16.8	
53	8	3	26	18	28.5	1	6	0	26	56	29.3	1	21.5	11.7	27	35	0.2	2	3	5	28	14	0	3	2	2	28	53	1.9	4	23.9	13.9	29	33	2.8	5	
54	7	9	9	25	31	27.6	10.7	20.5	10.6	26	9	28.4	11.7	4	3	26	47	29.2	12.8	2	1	27	26	0.1	13.9	0	12.8	28	4	0.9	0	8	5	28	43	1.8	1
55	6	5	24	43	26.6	3	4	2	25	20	27.4	3	2	10.9	25	58	28.2	4	0	11.6	26	36	29.1	5	22.8	3	27	13	29.9	14.6	6	0	27	51	0.7	15.7	
56	5	1	23	53	25.5	9.8	3	9.8	24	30	26.3	10.9	1	4	25	7	27.1	0	21.9	1	25	44	28.0	1	7	11.8	26	21	28.8	2	5	12.5	26	58	29.6	3	

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

34																									UPPER MERIDIAN, CUSP OF 10th H.																								
H. M. S. SID. T. 11 45 19 } π ARC 176° 19'.8 } $\simeq 26^\circ$					H. M. S. 11 48 59 } π 27° 177° 14'.8 } $\simeq 27^\circ$					H. M. S. 11 52 40 } π 28° 178° 9'.9 } $\simeq 28^\circ$					H. M. S. 11 56 20 } π 29° 179° 5'.0 } $\simeq 29^\circ$					H. M. S. 12 0 0 } $\simeq 0^\circ$ 180° 0'.0 } $\simeq 0^\circ$					H. M. S. 12 3 40 } $\simeq 1^\circ$ 180° 55'.0 } $\simeq 1^\circ$																								
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																			
Lat.	\simeq	μ	ρ	ν	ω	\simeq	μ	ρ	ν	ω	\simeq	μ	ρ	ν	ω	\simeq	μ	ρ	ν	ω	\simeq	μ	ρ	ν	ω	\simeq	μ	ρ	ν	ω																			
22	26.9	23.5	17.36	18.5	22.0	27.8	24.3	18.24	19.4	23.0	28.7	25.2	19.14	20.3	24.0	29.7	26.0	20.3	21.2	25.0	0.6	26.8	20.52	22.1	26.0	1.5	27.7	21.41	23.0	27.0																			
23	8	3	17.9	2	21.9	7	1	17.57	1	22.9	6	24.9	18.47	0	23.9	6	25.8	19.36	20.9	24.9	5	6	20.25	21.8	25.9	4	4	21.14	22.7	26.9																			
24	7	0	16.42	17.8	8	7	23.8	17.30	18.7	8	6	7	18.19	19.6	8	5	5	19.8	5	8	4	3	19.57	4	8	3	2	20.46	4	8																			
25	6	22.8	16.15	5	7	6	6	17.3	4	7	5	4	17.52	3	7	4	2	18.40	2	7	3	1	19.29	1	7	2	26.9	20.18	0	7																			
26	26.6	5	15.47	2	6	27.5	3	16.35	1	6	4	2	17.24	0	6	3	0	18.12	19.9	6	0.2	25.8	19.1	20.8	6	1.1	6	19.50	21.7	6																			
27	5	3	15.19	16.8	4	4	1	16.7	17.7	5	28.3	23.9	16.55	18.6	5	29.3	24.7	17.44	5	5	2	5	18.33	4	5	0	4	19.21	4	5																			
28	4	0	14.50	5	21.3	3	22.8	15.38	4	22.3	3	6	16.26	3	23.3	2	4	17.15	2	24.4	1	3	18.4	1	25.4	0	1	18.51	0	26.4																			
29	3	21.7	14.22	1	2	3	5	15.9	0	2	2	4	15.57	17.9	2	1	2	16.45	18.9	3	0	0	17.34	19.8	3	0.9	25.8	18.22	20.7	3																			
30	26.3	5	13.53	15.8	1	27.2	3	14.40	16.7	1	1	1	15.28	6	1	0	23.9	16.16	5	2	29.9	24.7	17.4	4	2	8	5	17.52	3	2																			
31	2	2	13.23	4	0	1	0	14.10	3	0	0	22.8	14.58	2	0	28.9	6	15.45	1	0	8	4	16.34	0	1	7	2	17.21	0	0																			
32	1	20.9	12.53	0	20.8	0	21.7	13.39	15.9	21.8	27.9	5	14.27	16.8	22.8	8	3	15.15	17.8	23.9	7	2	16.3	18.7	0	6	0	16.50	19.6	25.9																			
33	0	7	12.22	14.6	7	26.9	5	13.9	5	7	8	2	13.56	4	7	7	1	14.43	4	8	6	23.9	15.31	3	24.8	5	24.7	16.18	2	8																			
34	25.9	4	11.51	2	5	8	2	12.38	1	5	7	0	13.24	0	6	6	22.8	14.11	0	6	5	6	14.59	17.9	7	0.4	4	15.45	18.8	6																			
35	8	1	11.19	13.8	4	7	20.9	12.6	14.7	4	6	21.7	12.52	15.6	4	5	5	13.39	16.6	5	29.4	3	14.26	5	6	3	1	15.13	4	5																			
36	7	19.8	10.47	3	2	6	6	11.33	2	2	5	4	12.19	1	2	28.4	2	13.6	1	23.3	3	0	13.52	0	4	2	23.8	14.39	17.9	25.3																			
37	6	5	10.14	12.9	1	5	3	11.0	13.8	1	27.4	1	11.46	14.7	1	3	21.9	12.32	15.7	2	2	22.7	13.18	16.6	3	1	4	14.5	5	2																			
38	25.6	2	9.40	4	19.9	26.4	0	10.26	3	20.9	3	20.8	11.12	2	21.9	2	6	11.58	2	0	1	3	12.44	1	1	29.9	1	13.30	0	0																			
39	5	0	9.6	11.9	7	3	19.7	9.52	12.8	7	2	5	10.37	13.7	8	1	3	11.23	14.7	22.9	0	0	12.8	15.6	23.9	8	22.8	12.54	16.5	24.9																			
40	4	18.7	8.31	4	5	2	4	9.16	3	6	1	1	10.1	2	6	0	0	10.47	2	7	28.9	21.7	11.32	1	7	7	5	12.17	0	8																			
41	3	4	7.56	10.9	3	1	0	8.40	11.8	4	0	19.8	9.25	12.7	4	27.9	20.7	10.10	13.7	6	8	3	10.55	14.6	6	6	1	11.40	15.5	6																			
42	25.2	0	7.19	4	1	0	18.7	8.4	3	2	26.9	5	8.48	2	2	8	3	9.32	1	4	6	0	10.17	1	4	5	21.7	11.2	0	4																			
43	1	17.7	6.42	9.8	18.9	25.9	4	7.26	10.7	0	8	1	8.10	11.6	1	6	0	8.54	12.6	2	5	20.7	9.38	13.5	2	29.4	4	10.22	14.4	2																			
44	0	3	6.4	2	7	8	0	6.47	1	19.9	7	18.8	7.31	0	20.9	5	19.6	8.15	0	0	28.4	4	8.59	12.9	0	2	0	9.42	13.8	0																			
45	24.9	0	5.25	8.6	6	7	17.7	6.8	9.5	7	6	5	6.51	10.4	7	4	2	7.34	11.4	21.8	3	0	8.18	3	22.8	1	20.6	9.1	2	23.8																			
46	8	16.6	4.44	0	4	6	4	5.27	8.9	5	5	2	6.10	9.7	5	27.3	18.9	6.53	10.7	6	2	19.6	7.36	11.7	5	0	3	8.19	12.6	6																			
47	7	3	4.3	7.3	2	5	1	4.46	2	3	26.4	17.8	5.28	1	3	2	5	6.10	1	4	1	2	6.53	0	3	28.9	19.9	7.36	11.9	5																			
48	6	15.9	3.21	6.6	0	25.4	16.7	4.3	7.5	1	3	4	4.45	8.4	1	1	1	5.27	9.4	2	27.9	18.8	6.9	10.3	1	8	5	6.52	2	3																			
49	24.4	5	2.38	0	17.7	3	3	3.19	6.8	18.8	1	0	4.1	7.7	19.8	0	17.7	4.42	8.7	20.9	8	4	5.24	9.6	21.9	6	1	6.6	10.5	1																			
50	3	1	1.54	5.3	4	1	15.9	2.34	1	5	0	16.6	3.15	0	5	26.8	3	3.56	7.9	6	7	0	4.38	8.8	7	5	18.7	5.19	9.7	22.9																			
51	2	14.7	1.8	4.5	1	0	5	1.48	5.3	2	25.8	2	2.29	6.2	2	6	16.9	3.9	1	4	6	17.6	3.50	0	4	28.3	3	4.30	8.9	6																			
52	1	3	0.21	3.7	16.8	24.9	1	1.1	4.5	17.9	7	15.8	1.40	5.4	18.9	5	5	2.20	6.3	1	27.4	2	3.1	7.1	1	1	17.9	3.40	0	3																			
53	23.9	13.9	29.33	2.8	5	8	14.6	0.12	3.6	6	6	3	0.51	4.5	6	4	0	1.30	5.4	19.8	2	16.7	2.10	6.2	20.8	0	4	2.49	7.1	0																			
54	8	5	28.43	1.8	1	6	1	29.21	2.6	2	5	14.8	0	0	3.5	3	3	15.5	0.38	4.4	4	0	2	1.17	5.2	5	27.9	16.9	1.56	6.1	21.7																		
55	6	0	27.51	0.7	15.7	4	13.6	28.29	1.6	16.8	3	3	29.7	2.5	0	1	0	29.45	3.3	1	26.9	15.7	0.23	4.2	2	7	4	1.1	5.1	4																			
56	5	12.5	26.58	29.6	3	3	1	27.35	0.5	4	2	13.8	28.13	1.4	17.6	25.9	14.5	28.50	2.2	18.7	7	2	29.28	3.0	19.9	5	15.9	0	5	4.0	1																		

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												35		
H. M. S. SID. T. 12 7 20 } $\simeq 2^\circ$ ARC 181° 50'.1						H. M. S. 12 11 1 } $\simeq 3^\circ$ 182° 45'.2					H. M. S. 12 14 41 } $\simeq 4^\circ$ 183° 40'.2					H. M. S. 12 18 21 } $\simeq 5^\circ$ 184° 35'.3					H. M. S. 12 22 2 } $\simeq 6^\circ$ 185° 30'.4					H. M. S. 12 25 42 } $\simeq 7^\circ$ 186° 25'.6				
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	m	m	f	W	W	m	m	f	W	W	m	f	f	W	W	m	f	f	W	W	m	f	f	W	W	m	f	f	W	W
22	2.4	28.5	22 31	23.9	28.0	3.3	29.3	23 20	24.8	29.0	4.2	0.2	24 10	25.7	0.0	5.1	1.0	24 59	26.6	1.1	6.0	1.8	25 49	27.6	2.1	6.9	2.6	26 40	28.5	3.1
23	3	22 2	3	6	27.9	2	122 53	5	28.9	1	29.9	23 42	4	29.9	0	0.7	24 31	3	0	5.9	5	25 21	3	0	8	4	26 11	2	0	
24	2	0 21	35	3	8	1	28.8	22 25	2	8	0	6	23 14	1	9	4.9	5	24 3	0	0.9	8	3	24 53	0	1.9	7	1	25 43	27.9	2.9
25	1	27.7	21 7	22.9	7	0	6	21 56	23.9	7	3.9	4	22 45	24.8	8	8	2	23 35	25.7	8	7	0	24 24	26.6	8	6	1.8	25 14	6	8
26	0	5	20 38	6	6	2.9	3	21 27	5	6	8	1	22 17	4	7	7	29.9	23 6	4	7	6	0.7	23 55	3	7	5	5	24 45	3	7
27	1.9	2	20 9	3	5	8	0	20 58	2	5	7	28.8	21 47	1	6	6	6	22 36	0	6	5	4	23 26	0	6	6.4	3	24 15	26.9	7
28	8	26.9	19 40	21.9	27.4	7	27.7	20 29	22.9	28.4	6	5	21 18	23.8	29.5	5	4	22 6	24.7	5	5.4	2	22 56	25.7	5	3	0	23 45	6	2.6
29	7	6	19 10	6	3	6	4	19 59	5	3	5	3	20 47	4	3	4.4	1	21 36	4	0.4	3	29.9	22 25	3	1.4	2	0.7	23 14	3	5
30	7	3	18 40	3	2	5	2	19 28	2	2	3.4	0	20 17	1	2	3	28.8	21 5	0	3	2	6	21 54	0	3	1	4	22 43	25.9	4
31	6	1	18 9	20.9	1	2.4	26.9	18 57	21.8	1	3	27.7	19 45	22.8	1	2	5	20 34	23.7	2	1	3	21 22	24.6	2	0	1	22 11	6	3
32	1.5	25.8	17 37	5	26.9	3	6	18 26	4	0	2	4	19 14	4	0	1	2	20 1	3	1	0	0	20 50	3	1	5.8	29.8	21 38	2	2.2
33	4	5	17 5	1	8	2	3	17 53	0	27.8	1	1	18 41	0	28.9	0	27.9	19 29	22.9	0	4.9	28.7	20 17	23.9	0	7	5	21 5	24.8	1
34	3	2	16 33	19.7	7	1	0	17 20	20.6	7	0	26.8	18 8	21.6	8	3.9	6	18 56	5	29.8	7	4	19 44	5	0.9	6	2	20 32	4	0
35	1	24.9	15 59	3	5	0	25.7	16 47	2	6	2.9	5	17 34	2	6	8	2	18 22	1	7	6	0	19 9	0	8	5	28.8	19 57	0	1.9
36	0	5	15 26	18.9	26.4	1.9	3	16 13	19.8	5	8	1	17 0	20.7	5	6	26.9	17 47	21.7	6	5	27.7	18 35	22.6	7	5.4	5	19 22	23.5	7
37	0.9	2	14 51	4	2	8	0	15 38	3	27.3	6	25.8	16 25	3	28.4	5	6	17 12	2	5	4.4	4	17 59	1	5	3	2	18 47	1	6
38	8	23.9	14 16	17.9	1	7	24.7	15 2	18.9	2	5	5	15 49	19.8	2	3.4	3	16 36	20.7	29.3	3	0	17 23	21.7	0.4	1	27.8	18 10	22.6	5
39	7	6	13 40	5	0	6	4	14 26	4	0	2.4	1	15 12	3	1	3	25.9	15 59	2	2	2	26.7	16 46	2	3	0	5	17 32	1	1.4
40	6	3	13 3	0	25.9	1.4	1	13 49	17.9	26.9	3	24.8	14 35	18.8	0	2	6	15 21	19.7	1	0	4	16 7	20.7	2	4.9	2	16 54	21.6	2
41	5	0	12 25	16.4	7	3	23.8	13 11	4	7	2	4	13 57	3	27.9	0	2	14 42	2	28.9	3.9	0	15 28	2	0	8	26.9	16 15	1	1
42	0.3	22.6	11 47	15.9	5	2	4	12 32	16.8	5	0	1	13 17	17.8	7	2.9	24.8	14 3	18.7	8	8	25.6	14 48	19.6	29.9	6	5	15 34	20.6	0.9
43	2	3	11 7	3	3	1	0	11 52	3	4	1.9	23.7	12 37	2	5	8	5	13 22	1	6	6	3	14 7	1	7	5	1	14 53	0	8
44	1	21.9	10 27	14.7	1	0.9	22.7	11 11	15.7	2	8	3	11 56	16.6	4	6	1	12 40	17.5	4	5	24.9	13 25	18.5	6	4.3	25.7	14 10	19.4	6
45	0	5	9 45	1	24.9	8	3	10 29	1	0	6	22.9	11 13	0	2	5	23.7	11 58	16.9	3	3.3	5	12 42	17.8	4	2	3	13 27	18.8	5
46	29.9	1	9 3	13.5	8	7	21.9	9 46	14.4	25.8	5	5	10 30	15.3	0	2.3	3	11 14	3	1	2	1	11 58	2	2	0	24.9	12 42	1	0.3
47	8	20.7	8 19	12.8	6	6	5	9 2	13.7	7	1.3	1	9 45	14.6	26.8	2	22.9	10 29	15.6	27.9	1	23.7	11 12	16.5	0	3.9	5	11 56	17.5	1
48	6	3	7 34	1	4	0.4	1	8 16	0	5	2	21.7	8 59	13.9	6	1	5	9 42	14.9	7	2.9	3	10 25	15.8	28.8	8	1	11 9	16.8	0
49	5	19.9	6 48	11.4	2	3	20.7	7 30	12.3	3	1	3	8 12	2	4	1.9	1	8 54	2	5	8	22.9	9 37	1	6	6	23.6	10 20	0	29.8
50	3	5	6 0	10.6	0	2	2	6 41	11.5	1	0	20.9	7 23	12.5	2	8	21.6	8 5	13.4	3	6	4	8 47	14.4	4	4	1	9 29	15.3	6
51	1	1	5 11	9.8	23.7	0	19.8	5 52	10.7	24.9	0.9	5	6 33	11.7	25.9	6	2	7 15	12.6	1	4	21.9	7 56	13.6	2	2	22.6	8 38	14.5	3
52	28.9	18.6	4 21	8.9	4	29.9	3	5 1	9.8	6	7	0	5 41	10.8	6	4	20.7	6 22	11.7	26.8	2	4	7 3	12.7	0	0	1	7 44	13.6	1
53	8	1	3 29	0	1	7	18.8	4 8	8.9	3	5	19.5	4 48	9.9	3	2	2	5 29	10.8	6	0	20.9	6 8	11.7	27.8	2.9	21.6	6 49	12.7	28.8
54	6	17.6	2 35	7.0	22.8	5	3	3 14	7.9	0	3	0	3 53	8.9	1	1	19.7	4 33	9.8	3	1.9	4	5 12	10.7	5	7	1	5 52	11.7	6
55	5	1	1 40	6.0	5	3	17.8	2 18	6.9	23.7	1	18.5	2 56	7.8	24.8	0.9	2	3 35	8.7	0	7	19.9	4 14	9.6	2	5	20.5	4 53	10.6	3
56	3	16.6	0 42	4.9	2	1	3	1 20	5.7	4	29.9	17.9	1 58	6.6	5	6	18.6	2 36	7.5	25.7	5	3	3 14	8.4	26.8	3	19.9	3 52	9.4	0

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

36		UPPER MERIDIAN, CUSP OF 10th H.																																	
H. M. S. SID. T. 12 25 42 } \searrow ARC 186° 25'.6 } \searrow 7°						H. M. S. 12 29 23 } \searrow 8° 187° 20'.8 } \searrow 8°						H. M. S. 12 33 4 } \searrow 9° 188° 16'.0 } \searrow 9°						H. M. S. 12 36 45 } \searrow 10° 189° 11'.3 } \searrow 10°						H. M. S. 12 40 27 } \searrow 11° 190° 6'.6 } \searrow 11°						H. M. S. 12 44 8 } \searrow 12° 191° 2'.0 } \searrow 12°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	m	f	f	f	f	m	f	f	f	f	m	f	f	f	f	m	f	f	f	f	m	f	f	f	f	m	f	f	f	f					
22	6.9	2.6	26.40	28.5	3.1	7.8	3.5	27.29	29.4	4.1	8.7	4.3	28.20	0.4	5.1	9.6	5.1	29.10	1.3	6.2	10.5	5.9	0.1	2.3	7.2	11.4	6.8	0.52	3.2	8.2					
23	8	4	26.11	2	0	7	2	27.1	1	0	6	0	27.52	1	1	5	4.8	28.42	0	1	4	7	29.32	0	1	3	5	0.23	2.9	2					
24	7	1	25.43	27.9	2.9	6	2.9	26.33	28.8	0	5	3.7	27.23	29.8	0	4	6	28.13	0.7	0	3	4	29.4	1.7	1	1	2	29.54	6	1					
25	6	1.8	25.14	6	8	5	6	26.4	5	3.9	4	5	26.54	5	4.9	3	3	27.44	4	0	1	1	28.34	4	0	0	5.9	29.25	3	0					
26	5	5	24.45	3	7	7.4	4	25.34	2	8	8.3	2	26.24	1	8	1	0	27.14	1	5.9	0	4.8	28.5	1	6.9	10.9	6	28.55	0	0					
27	6.4	3	24.15	26.9	7	3	1	25.4	27.9	7	2	2.9	25.54	28.8	7	0	3.7	26.44	29.8	8	9.9	5	27.34	0.7	8	8	3	28.25	1.7	7.9					
28	3	0	23.45	6	2.6	2	1.8	24.34	5	6	0	6	25.24	5	7	8.9	4	26.14	5	7	8	2	27.4	4	8	7	0	27.54	4	8					
29	2	0.7	23.14	3	5	1	5	24.3	2	5	7.9	3	24.53	2	4.6	8	1	25.42	1	6	7	3.9	26.32	1	7	6	4.7	27.22	1	7					
30	1	4	22.43	25.9	4	6.9	2	23.32	26.9	3.4	8	0	24.21	27.8	5	7	2.8	25.11	28.8	5	6	6	26.0	29.8	6.6	5	4	26.50	0.7	7					
31	0	1	22.11	6	3	8	0.9	23.0	5	3	7	1.7	23.49	5	4	6	5	24.38	4	5.4	5	3	25.28	4	5	10.3	1	26.17	4	7.6					
32	5.8	29.8	21.38	2	2.2	7	6	22.27	1	2	6	4	23.16	1	3	5	2	24.5	1	3	9.4	0	24.54	1	4	2	3.8	25.44	0	5					
33	7	5	21.5	24.8	1	6	3	21.54	25.8	1	5	1	22.43	26.7	4.2	8.4	1.9	23.32	27.7	2	2	2.7	24.21	28.7	3	1	5	25.10	29.6	4					
34	6	2	20.32	4	0	5	0	21.20	4	0	7.4	0.8	22.9	3	1	2	6	22.57	3	1	1	4	23.46	3	6.2	0	2	24.35	2	3					
35	5	28.8	19.57	0	1.9	6.4	29.6	20.45	24.9	2.9	2	4	21.34	25.9	0	1	2	22.22	26.9	0	0	0	23.11	27.9	1	9.9	2.8	24.0	28.8	7.2					
36	5.4	5	19.22	23.5	7	3	3	20.10	5	8	1	1	20.58	5	3.9	0	0.9	21.47	5	4.9	8.9	1.7	22.35	4	0	7	5	23.24	4	1					
37	3	2	18.47	1	6	1	0	19.34	1	7	0	29.8	20.21	0	8	7.9	6	21.10	0	8	7	3	21.58	0	5.9	6	1	22.47	0	0					
38	1	27.8	18.10	22.6	5	0	28.6	18.57	23.6	6	6.9	4	19.45	24.6	6	7	2	20.32	25.6	7	6	0	21.20	26.6	8	5	1.8	22.9	27.6	6.9					
39	0	5	17.32	1	1.4	5.9	3	18.19	1	2.4	7	1	19.7	1	5	6	29.8	19.54	1	6	5	0.6	20.42	1	7	9.3	4	21.30	1	8					
40	4.9	2	16.54	21.6	2	7	27.9	17.41	22.6	3	6	28.7	18.28	23.6	3.4	5	5	19.15	24.6	5	8.3	3	20.2	25.6	6	2	0	20.50	26.6	7					
41	8	26.9	16.15	1	1	6	5	17.1	1	2	5	3	17.48	1	3	7.3	1	18.34	1	4.4	2	29.9	19.22	0	5	0	0.6	20.9	0	6					
42	6	5	15.34	20.6	0.9	5	2	16.21	21.5	0	6.3	27.9	17.7	22.5	1	2	28.7	17.53	23.6	3	0	5	18.40	24.5	5.3	8.9	2	19.27	25.5	4					
43	5	1	14.53	0	8	5.3	26.8	15.39	0	1.9	2	5	16.25	21.9	0	0	3	17.11	0	2	7.9	1	17.57	0	2	7	29.8	18.43	0	6.3					
44	4.3	25.7	14.10	19.4	6	2	4	14.56	20.4	7	0	1	15.41	3	2.9	6.9	27.9	16.27	22.4	1	7	28.7	17.13	23.4	1	6	4	17.59	24.4	2					
45	2	3	13.27	18.8	5	0	0	14.12	19.8	6	5.9	26.7	14.57	20.7	8	7	5	15.42	21.8	3.9	5	2	16.28	22.8	0	4	0	17.14	23.8	1					
46	0	24.9	12.42	1	0.3	4.9	25.5	13.27	1	5	7	3	14.12	1	6	5	0	14.56	2	7	4	27.8	15.41	1	4.8	8.2	28.5	16.27	1	0					
47	3.9	5	11.56	17.5	1	8	1	12.40	18.4	3	6	25.9	13.25	19.4	4	4	26.6	14.9	20.5	5	3	4	14.53	21.4	7	1	1	15.38	22.5	5.8					
48	8	1	11.9	16.8	0	7	24.7	11.52	17.7	1	5	5	12.37	18.7	2	2	2	13.20	19.8	3	1	0	14.4	20.7	5	0	2	10.14	17.6	7					
49	6	23.6	10.20	0	29.8	5	3	11.3	0	0.9	3	0	11.47	0	1	1	25.8	12.30	1	2	6.9	26.5	13.13	0	4	7.8	2	13.57	0	5					
50	4	1	9.29	15.3	6	3	23.8	10.12	16.3	7	1	24.5	10.55	17.3	1.9	5.9	3	11.38	18.3	0	7	0	12.21	19.3	2	6	26.7	13.4	20.3	4					
51	2	22.6	8.38	14.5	3	1	3	9.20	15.5	5	4.9	0	10.2	16.5	6	7	24.8	10.44	17.5	2.8	5	25.5	11.27	18.5	0	4	2	12.9	19.5	2					
52	0	1	7.44	13.6	1	3.9	22.8	8.26	14.6	2	7	23.5	9.7	15.6	4	6	3	9.49	16.6	6	3	0	10.31	17.6	3.7	2	25.7	11.13	18.6	4.9					
53	2.9	21.6	6.49	12.7	28.8	7	3	7.30	13.6	0	5	0	8.10	14.6	2	4	23.8	8.52	15.6	3	2	24.5	9.33	16.6	5	0	2	10.14	17.6	7					
54	7	1	5.52	11.7	6	5	21.8	6.32	12.6	29.8	3	22.5	7.12	13.6	0.9	2	2	7.53	14.5	1	0	23.9	8.33	15.5	3	6.8	24.6	9.14	16.5	5					
55	5	20.5	4.53	10.6	3	3	2	5.32	11.5	5	1	21.9	6.12	12.5	7	0	22.6	6.51	13.4	1.9	5.8	3	7.31	14.4	1	6	0	8.11	15.4	3					
56	3	19.9	3.52	9.4	0	1	20.6	4.31	10.3	3	3.8	3	5.10	11.3	5	4.7	0	5.48	12.2	7	5	22.7	6.27	13.2	2.9	3	23.4	7.6	14.1	0					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									37					
H. M. S. SID. T. 12 47 50 } \simeq 13° ARC 191° 57'.5 }					H. M. S. 12 51 32 } \simeq 14° 192° 53'.0 }					H. M. S. 12 55 14 } \simeq 15° 193° 48'.6 }					H. M. S. 12 58 57 } \simeq 16° 194° 44'.3 }					H. M. S. 13 2 40 } \simeq 17° 195° 40'.0 }					H. M. S. 13 6 23 } \simeq 18° 196° 35'.9 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	m	f	v	z	x	m	f	v	z	x	m	f	v	z	x	m	f	v	z	x	m	f	v	z	x	m	f	v	z	x
22	12.3	7.6	1 43	4.2	9.3	13.1	8.4	2 34	5.2	10.3	14.0	9.3	3 26	6.1	11.4	14.9	10.1	4 18	7.1	12.4	15.8	11.0	5 10	8.1	13.5	16.7	11.8	6 1	9.1	14.6
23	1	3	1 14	3.9	2	0	2 2 5	4.9	3	13.9	0	2 57	5.9	3	8	9.8	3 49	6.8	4	7	10.7	4 41	7.8	4	6	5	5 33	8.8	5	
24	0	0	0 45	6	2	12.9	7.9	1 36	6	2	8	8.7	2 28	6	3	7	6	3 19	6	3	6	4	4 11	5	4	5	2 5 3	6	5	
25	11.9	6.8	0 16	3	1	8	6	1 7	3	1	7	4	1 58	3	2	6	3	2 50	3	3	5	1	3 41	2	3	4	10.9	4 33	3	4
26	8	5	29 46	0	0	7	3	0 36	0	1	6	1	1 28	0	11.1	5	0	2 19	0	2	15.4	9.8	3 11	6.9	3	16.3	6	4 3	0	14.4
27	7	2	29 15	2.7	0	6	0	0 6	3.7	0	5	7.8	0 57	4.7	1	14.4	8.7	1 49	5.7	12.2	2	5	2 40	6	13.2	1	3	3 32	7.7	3
28	6	5.9	28 44	4	8.9	5	6.7	29 35	3	9.9	13.4	5	0 26	3	0	2	3	1 17	3	1	1	2	2 9	3	2	0	0 3 0	4	3	
29	5	6	28 12	0	8	12.4	4	29 3	0	9	2	2	29 54	0	10.9	1	0	0 45	0	0	0	8.8	1 37	0	1	15.9	9.7	2 28	1	2
30	11.4	2	27 40	1.7	7	2	1	28 31	2.7	8	1	6.9	29 22	3.7	9	0	7.7	0 13	4.7	0	14.9	5	1 4	5.7	0	8	3	1 55	6.7	14.1
31	2	4.9	27 8	4	6	1	5.7	27 58	4	7	0	6	28 49	4	8	13.9	4	29 40	4	11.9	7	2	0 31	4	0	6	0	1 22	4	1
32	1	6	26 34	0	8.6	0	4	27 24	0	6	12.9	2	28 15	0	7	7	1	29 6	0	8	6	7.9	29 57	0	12.9	5	8.7	0 48	1	0
33	0	3	26 0	0.6	5	11.9	1	26 50	1.6	9.6	7	5.9	27 40	2.6	7	6	6.7	28 31	3.7	7	5	5	29 22	4.7	8	15.4	3	0 13	5.7	13.9
34	10.9	0	25 25	2	4	7	4.8	26 15	2	5	6	6	27 5	2	10.6	5	4	27 55	3	7	14.4	2	28 46	3	8	2	0	29 37	3	9
35	7	3.6	24 49	29.8	3	6	4	25 39	0.8	4	5	2	26 28	1.8	5	13.3	0	27 19	2.9	11.6	2	6.8	28 9	3.9	7	1	7.6	29 0	4.9	8
36	6	3	24 13	4	8.2	5	1	25 2	4	3	12.3	4.9	25 51	4	4	2	5.7	26 41	5	5	1	5	27 32	5	12.6	14.9	3	28 22	5	7
37	5	2.9	23 35	0	1	11.3	3.7	24 24	0	9.2	2	5	25 14	0	3	1	3	26 3	0	4	13.9	1	26 54	1	5	8	6.9	27 44	1	7
38	10.3	6	22 57	28.6	1	2	4	23 46	29.5	1	1	2	24 35	0.5	10.3	12.9	0	25 24	1.6	3	8	5.7	26 15	2.6	5	6	5	27 4	3.7	13.6
39	2	2	22 18	1	0	0	0	23 6	1	0	11.9	3.8	23 55	1	2	8	4.6	24 44	1	11.2	6	4	25 34	2	4	5	2	26 24	2	6
40	0	1.8	21 38	27.6	7.9	10.9	2.6	22 26	28.6	0	7	4	23 15	29.6	1	6	2	24 4	0.6	2	5	0	24 53	1.7	12.3	14.3	5.8	25 42	2.7	5
41	9.9	4	20 57	0	8	7	2	21 44	0	8.9	6	0	22 33	1	0	4	3.8	23 22	1	1	13.3	4.6	24 11	1	2	2	4	25 0	2	4
42	7	0	20 14	26.5	7	6	1.8	21 2	27.5	8	4	2.6	21 50	28.5	9.9	3	4	22 38	29.6	0	1	2	23 27	0.6	1	0	4.9	24 16	1.7	13.3
43	6	0.6	19 31	0	5	4	4	20 18	0	7	3	2	21 6	0	8	1	0	21 54	0	10.9	0	3.7	22 42	0	0	13.8	5	23 31	1	2
44	4	2	18 46	25.4	7.4	10.3	0	19 33	26.4	5	1	1.7	20 20	27.4	7	11.9	2.5	21 8	28.4	8	12.8	3	21 55	29.4	11.9	6	1	22 44	0.5	1
45	2	29.7	18 0	24.8	3	1	0.5	18 46	25.8	8.4	10.9	3	19 33	26.8	6	8	1	20 20	27.8	7	6	2.8	21 7	28.8	8	4	3.6	21 56	29.9	0
46	0	3	17 13	1	1	0	1	17 58	2	3	7	0.9	18 44	2	9.4	7	1.6	19 31	2	6	4	4	20 18	2	7	3	2	21 6	3	12.9
47	8.9	28.8	16 24	23.4	0	9.8	29.6	17 9	24.5	1	6	5	17 55	25.6	3	5	2	18 41	26.6	10.5	3	1.9	19 27	27.6	6	1	2.7	20 14	28.7	8
48	8	4	15 34	22.8	6.9	6	2	16 18	23.8	0	4	0	17 3	24.9	2	3	0.7	17 49	25.9	3	1	4	18 35	26.9	5	12.9	2	19 21	1	7
49	6	0	14 42	1	7	4	28.7	15 25	1	7.9	2	29.5	16 11	2	0	1	2	16 55	1	2	11.9	0.9	17 41	2	11.4	7	1.7	18 27	27.4	6
50	4	27.5	13 48	21.3	5	2	2	14 31	22.3	7	1	0	15 16	23.4	8.9	10.9	29.7	16 0	24.4	1	7	4	16 45	25.5	3	5	2	17 31	26.6	12.5
51	2	0	12 52	20.5	3	0	27.7	13 36	21.5	5	9.9	28.5	14 19	22.6	7	7	2	15 3	23.6	9.9	5	29.9	15 48	24.7	1	3	0.6	16 32	25.8	4
52	0	26.5	11 55	19.6	1	8.8	2	12 38	20.6	3	7	27.9	13 20	21.7	6	5	28.6	14 4	22.7	8	3	3	14 48	23.8	0	0	0	15 32	24.9	2
53	7.8	25.9	10 55	18.6	5.9	6	26.6	11 38	19.6	1	4	3	12 20	20.7	4	2	0	13 3	21.7	6	1	28.7	13 46	22.7	10.8	11.8	29.4	14 29	23.9	0
54	6	3	9 54	17.5	8	4	0	10 36	18.6	0	2	26.7	11 17	19.6	2	0	27.4	11 59	20.7	4	10.9	1	12 42	21.7	7	6	28.8	13 24	22.8	11.9
55	4	24.7	8 51	16.4	6	2	25.4	9 32	17.5	6.8	0	1	10 13	18.5	0	9.8	26.8	10 54	19.6	2	6	27.5	11 35	20.6	5	4	2	12 16	21.7	7
56	1	1	7 46	15.1	4	7.9	24.8	8 25	16.3	5	8.7	25.5	9 5	17.2	7.8	5	2	9 45	18.3	0	3	26.9	10 26	19.3	3	1	27.5	11 6	20.4	6

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

38		UPPER MERIDIAN, CUSP OF 10th H.																																	
H. M. S. SID. T. 18 6 23 } \simeq 18° ARC 196° 35'.9 }						H. M. S. 13 10 7 } \simeq 19° 197° 31'.8 }						H. M. S. 13 18 51 } \simeq 20° 198° 27'.8 }						H. M. S. 13 17 36 } \simeq 21° 199° 24'.0 }						H. M. S. 13 21 21 } \simeq 22° 200° 20'.2 }						H. M. S. 13 25 6 } \simeq 23° 201° 16'.6 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	m	f	W	W	X	m	f	W	W	X	m	f	W	W	X	m	f	W	W	X	m	f	W	W	X	m	f	W	W	X					
22	16.7	11.8	6 1	9.1	14.6	17.6	12.6	6 54	10.1	15.6	18.5	13.5	7 47	11.1	16.7	19.4	14.3	8 41	12.1	17.8	20.3	15.1	9 34	13.2	18.8	21.2	16.0	10 28	14.2	19.9					
23	6	5	5 33	8.8	5	5	3	6 26	9.8	6	4	2	7 18	10.8	6	3	0	8 12	11.9	7	2	14.8	9 5	12.9	8	1	15.7	9 59	13.9	9					
24	5	2	5 3	6	5	4	0	5 56	6	5	3	12.9	6 49	6	6	1	13.7	7 42	6	7	0	5	8 35	6	8	20.9	4	9 29	7	9					
25	4	10.9	4 33	3	4	3	11.7	5 26	3	5	1	6	6 19	3	6	0	4	7 12	3	7	19.9	2	8 5	3	7	8	1	8 59	4	8					
26	16.3	6	4 3	0	14.4	1	4	4 56	0	4	0	3	5 48	0	5	18.9	1	6 41	0	6	8	13.9	7 35	1	7	7	14.8	8 28	1	8					
27	1	3	3 32	7.7	3	0	1	4 25	8.7	15.4	17.9	0	5 17	9.7	16.5	8	12.8	6 10	10.7	17.6	7	6	7 3	11.8	18.7	5	5	7 57	12.8	19.8					
28	0	0	3 0	4	3	16.9	10.8	3 53	4	3	8	11.6	4 45	4	4	6	5	5 38	4	5	5	3	6 31	5	6	20.4	1	7 25	5	7					
29	15.9	9.7	2 28	1	2	8	5	3 21	1	3	6	3	4 13	1	4	5	2	5 6	1	5	19.4	0	5 59	2	6	3	13.8	6 52	2	7					
30	8	3	1 55	6.7	14.1	6	2	2 48	7.8	2	5	0	3 40	8.8	3	18.4	11.8	4 33	9.8	4	3	12.7	5 25	10.9	5	1	5	6 19	11.9	6					
31	6	0	1 22	4	1	5	9.8	2 14	4	15.2	17.4	10.7	3 6	5	3	3	5	3 59	5	4	1	3	4 51	6	5	0	1	5 44	6	6					
32	5	8.7	0 48	1	0	16.4	5	1 40	1	1	3	3	2 31	1	16.2	1	2	3 24	2	17.3	0	0	4 16	2	18.4	19.9	12.8	5 10	3	19.6					
33	15.4	3	0 13	5.7	13.9	2	2	1 4	6.7	0	1	0	1 56	7.8	2	0	10.8	2 48	8.8	3	18.9	11.6	3 41	9.9	4	7	4	4 34	10.9	5					
34	2	0	29 37	3	9	1	8.8	0 28	4	0	0	9.6	1 20	4	1	17.8	5	2 12	5	2	7	3	3 4	5	3	6	1	3 57	6	5					
35	1	7.6	29 0	4.9	8	0	5	29 51	0	14.9	16.8	3	0 43	0	0	7	1	1 35	1	2	6	10.9	2 27	1	3	4	11.7	3 20	2	4					
36	14.9	3	28 22	5	7	15.8	1	29 13	5.6	9	7	8.9	0 5	6.6	0	5	9.7	0 56	7.7	17.1	4	5	1 48	8.7	2	19.3	3	2 41	9.8	19.4					
37	8	6.9	27 44	1	7	7	7.7	28 35	2	8	5	5	29 26	2	15.9	4	3	0 17	3	1	3	1	1 9	3	18.2	1	0	2 1	4	3					
38	6	5	27 4	3.7	13.6	5	3	27 55	4.7	7	4	2	28 46	5.8	8	2	8.9	29 37	6.8	0	1	9.7	0 29	7.9	1	0	10.6	1 21	0	3					
39	5	2	26 24	2	6	3	0	27 14	3	6	2	7.8	28 5	3	8	1	5	28 56	4	0	17.9	3	29 47	5	1	18.8	2	0 39	8.5	2					
40	14.3	5.8	25 42	2.7	5	2	6.6	26 33	3.8	14.6	0	4	27 23	4.9	7	16.9	1	28 13	5.9	16.9	8	8.9	29 4	0	0	6	9.7	29 56	1	19.2					
41	2	4	25 0	2	4	0	2	25 50	3	5	15.9	6.9	26 39	4	6	7	7.7	27 30	4	9	6	5	28 20	6.5	17.9	4	3	29 12	7.6	1					
42	0	4.9	24 16	1.7	13.3	14.8	5.7	25 5	2.7	4	7	5	25 55	3.9	15.5	5	3	26 45	4.9	8	4	1	27 35	0	9	3	8.9	28 26	1	0					
43	13.8	5	23 31	1	2	7	3	24 20	2	4	5	1	25 9	4	5	4	6.9	25 58	4	7	2	7.6	26 48	5.5	8	1	4	27 39	6.6	0					
44	6	1	22 44	0.5	1	5	4.8	23 32	1.6	14.3	3	5.6	24 21	2.8	4	2	4	25 10	3.9	16.6	0	2	26 0	0	8	17.9	7.9	26 50	0	18.9					
45	4	3.6	21 56	29.9	0	3	4	22 44	0	2	2	2	23 32	2	4	0	5.9	24 21	3	6	16.8	6.7	25 10	4.4	7	7	5	26 0	5.5	8					
46	3	2	21 6	3	12.9	2	3.9	21 54	0.4	1	0	4.7	22 42	1.6	15.3	15.8	4	23 30	2.7	5	7	2	24 19	3.8	17.7	5	0	25 8	4.9	8					
47	1	2.7	20 14	28.7	8	0	4	21 2	29.7	0	14.8	2	21 49	0	2	6	4.9	22 37	1	4	5	5.8	23 26	2	6	3	6.5	24 15	3	7					
48	12.9	2	19 21	1	7	13.8	2.9	20 8	1	13.9	6	3.7	20 55	0.3	1	4	4	21 43	1.4	16.3	3	3	22 31	2.5	5	1	0	23 19	3.6	18.7					
49	7	1.7	18 27	27.4	6	6	4	19 13	28.4	8	4	2	20 0	29.6	0	2	3.9	20 47	0.7	2	1	4.7	21 34	1.8	4	16.9	5.5	22 22	2.9	6					
50	5	2	17 31	26.6	12.5	4	1.9	18 16	27.7	7	2	2.7	19 2	28.8	14.9	0	4	19 48	29.9	1	15.9	2	20 35	0	17.3	7	4.9	21 22	2	5					
51	3	0.6	16 32	25.8	4	2	3	17 17	26.9	6	13.9	1	18 2	0	8	14.8	2.8	18 48	1	0	7	3.6	19 34	0.2	2	4	3	20 20	1.4	4					
52	0	0	15 32	24.9	2	12.9	0.7	16 16	0	13.4	7	1.5	17 0	27.1	7	5	2	17 45	28.2	15.8	4	0	18 30	29.3	1	1	3.7	19 16	0.5	18.3					
53	11.8	29.4	14 29	23.9	0	7	1	15 12	25.0	3	5	0.9	15 56	26.1	5	3	1.6	16 40	27.2	7	2	2.4	17 25	28.3	0	15.9	1	18 10	29.5	2					
54	6	28.8	13 24	22.8	11.9	5	29.5	14 6	23.9	1	3	3	14 49	25.1	14.4	0	0	15 33	26.2	6	14.9	1.8	16 16	27.3	16.9	7	2.5	17 1	28.5	2					
55	4	2	12 16	21.7	7	2	28.9	12 58	22.8	0	0	29.7	13 40	24.0	2	13.8	0.4	14 23	25.1	5	6	1	15 6	26.2	8	4	1.8	15 49	27.4	1					
56	1	27.5	11 6	20.4	6	11.9	2	11 47	21.5	12.9	12.7	0	12 28	22.7	1	5	29.7	13 10	23.8	3	3	0.4	13 52	25.0	7	1	1	14 34	26.2	0					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.

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H. M. S. SID. T. 13 28 52 } $\simeq 24^\circ$ ARC 202° 13'.0					H. M. S. 13 32 38 } $\simeq 25^\circ$ 203° 9'.8					H. M. S. 13 36 25 } $\simeq 26^\circ$ 204° 6'.3					H. M. S. 13 40 13 } $\simeq 27^\circ$ 205° 8'.2					H. M. S. 13 44 0 } $\simeq 28^\circ$ 206° 0'.1					H. M. S. 13 47 49 } $\simeq 29^\circ$ 206° 57'.2						
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	
Lat.	m	f	W	W	X	m	f	W	W	X	m	f	W	W	X	m	f	W	W	X	m	f	W	W	X	m	f	W	W	X	
22	22.1	16.8	11 22	15.2	21.0	23.0	17.7	12 16	16.3	22.1	23.9	18.5	13 11	17.3	23.2	24.7	19.4	14 6	18.4	24.3	25.6	20.3	15 2	19.4	25.4	26.5	21.1	15 58	20.5	26.5	
23	21.9	5 10 53	0	0	22.8	4 11 47	0	1	7	2 12 42	1	2	6	1 13 37	1	3	5	0 14 33	2	4	4	20.8	15 29	3	5						
24	8	2 10 23	14.7	20.9	7	1 11 18	15.8	1	6	17.9	12 12	16.8	1	5	18.8	13 7	17.9	2	4	19.6	14 3	18.9	4	3	5	14 59	0	5			
25	7 15.9	9 53	4	9	6 16.8	10 47	5	0	5	6 11 42	6	1	4	5 12 37	6	2	2	3 13 33	7	4	1	2 14 29	19.8	4							
26	6	6 9 22	2	9	4	5 10 17	2	0	23.3	3 11 11	3	1	2	2 12 6	4	2	1	0 13 2	4	3	0	19.9	13 58	5	4						
27	21.4	3 8 51	13.9	9	22.3	1 9 45	0	0	2	0 10 40	0	23.1	1 17.8	11 35	1	24.2	0	18.7	12 31	2	25.3	25.9	5	13 26	3	26.4					
28	3	0 8 19	6	8	2 15.8	9 18	14.7	21.9	1	16.7	10 8	15.7	1	23.9	5 11 3	16.8	2	24.8	4 11 58	17.9	3	7	2 12 54	0	4						
29	2 14.6	7 46	3	20.8	0	5 8 40	4	9	22.9	3 9 35	4	0	8	2 10 30	5	1	7	0 11 25	6	3	6	18.9	12 21	18.7	4						
30	0	3 7 12	0	8	21.9	2 8 7	1	9	8	0 9 1	1	0	7	16.8	9 56	2	1	5	17.7	10 51	3	3	4	5 11 47	4	4					
31	20.9	0 6 38	12.7	7	8 14.8	7 32	13.8	8	6	15.7	8 27	14.8	0	5	5 9 22	15.9	24.1	4	3	10 17	0	25.2	25.3	2	11 13	1	4				
32	7 13.6	6 3	3	7	6	5 6 57	4	8	5	3 7 51	5	22.9	23.4	1	8 46	6	1	24.3	0 9 41	16.7	2	1	17.8	10 37	17.8	26.4					
33	6	3 5 27	0	6	5	1 6 21	12 18	22.4	14.9	7 15	2	9	2	15.8	8 10	3	1	1	16.6	9 5	4	2	0	4 10 1	5	3					
34	4 12.9	4 50	11.7	20.6	21.3	13.8	5 44	12.8	7	2	6 6 38	13.9	9	1	4 7 33	0	0	0	2 8 28	1	2	24.8	1	9 23	2	3					
35	20.3	6 4 13	3	6	2	4 5 6	4	7	1	2 6 0	5	8	22.9	0	6 55	14.6	24.0	23.8	15.9	7 49	15.7	25.2	7	16.7	8 45	16.8	3				
36	1	2 3 34	10.9	5	0	0 4 27	0	7	21.9	13.8	5 21	1	8	8	14.6	6 16	2	0	6	5 7 10	3	1	5	3 8 5	5	3					
37	0 11.8	2 54	5	5	20.9	12.6	3 47	11.6	6	7	4 4 41	12.7	22.8	6	2 5 35	13.8	0	5	1 6 30	0	1	3	15.9	7 25	1	26.3					
38	19.8	4 2 13	1	4	7	2 3 6	22 16	6	0	4 0	3	7	4	13.8	4 54	4	0	3	14.7	5 48	14.6	1	2	5 6 43	15.7	3					
39	7	0 1 31	9.6	20.4	5	11.8	2 24	10.8	5	4	12.6	3 17	11.9	7	2 4 4 11	0	23.9	1	2 5 5	2	25.1	0	1 5 59	4	2						
40	5 10.6	0 48	2	4	4	4 1 40	4	5	2	2 2 33	5	7	1	0 3 27	12.6	9	22.9	13.8	4 20	13.8	0	23.8	14.6	5 15	0	2					
41	3	1 0 3	8.7	4	3	10.9	0 55	9.9	4	0	11.7	1 48	0	6	21.9	12.5	2 41	1	9	7	4 3 35	4	0	6	2 4 29	14.6	2				
42	1	9.7	29 17	2	3	1	5 0 9	4	4	20.8	3 1 1	10.5	22.6	7	1 1 54	11.6	9	5	12.9	2 48	12.9	0	4	13.7	3 41	1	26.2				
43	18.9	2 28 30	7.7	3	19.9	0 29 21	8.9	21.3	6	10.8	0 13	0	5	5	11.6	1 5	1	8	3	4 1 59	4	24.9	2	3 2 52	13.6	2					
44	7	8.7	27 41	1	20.2	7	9.5	28 32	4	3	4	3 29 23	9.5	5	3	1 0 15	10.6	23.8	1	11.9	1 8	11.9	9	0 12.8	2 1	1	1				
45	5	3 26 50	6.5	1	5	1 27 41	7.8	2	2	9.8	28 32	8.9	5	1	10.6	29 24	1	8	21.9	4 0 16	4	9	22.8	3 1 9	12.6	1					
46	3	7.8	25 58	0	1	3	8.6	26 48	2	2	0	3 27 39	3	4	20.8	1 28 30	9.5	7	7	10.9	29 22	10.8	8	6 11.8	0 14	0	1				
47	1	3 25 4	5.4	0	1	0 25 54	6.6	21.1	19.8	8.8	26 44	7.7	22.4	6	9.6	27 34	8.9	7	6	4 28 26	2	8	4	2 29 18	11.4	26.1					
48	17.9	6.8	24 8	4.7	19.9	18.9	7.5	24 57	5.9	1	6	3 25 47	1	4	4	1 26 37	3	23.6	4	9.9	27 28	9.6	24.8	2	10.7	28 19	10.8	0			
49	7	3 23 10	0	9	7	6.9	23 58	2	0	4	7.8	24 48	6.4	3	2	8.6	25 37	7.6	6	2	3 26 27	8.9	7	21.9	1 27 18	1	0				
50	5	5.7	22 10	3.3	8	4	4 22 58	4.5	0	2	2 23 46	5.7	3	0	0 24 35	6.9	5	20.9	8.7	25 25	2	7	7	9.5	26 14	9.4	0				
51	2	1 21 7	2.5	7	2	5.8	21 55	3.7	20.9	18.9	6.6	22 42	4.9	22.2	19.7	7.4	23 31	1	5	6	1 24 20	7.4	6	4	8.9	25 9	8.7	25.9			
52	0	4.5	20 2	1.6	19.6	17.9	2	20 49	2.8	9	7	0 21 36	1	1	4	6.8	22 24	5.3	23.4	3	7.5	23 12	6.6	24.6	1	3 24 0	7.9	9			
53	16.8	3.9	18 55	0.7	5	6	4.6	19 41	1.9	8	5	5.4	20 27	3.2	1	2	1 21 14	4.4	3	1	6.8	22 1	5.7	5	20.9	7.6	22 49	0	9		
54	5	2 17 45	29.7	4	3	3.9	18 30	0.9	7	2	4.7	19 16	2.2	0	0	5.4	20 1	3.4	3	19.8	1 20 48	4.7	5	6	6.9	21 35	6.0	8			
55	2	2.5	16 32	28.6	3	0	2 17 17	29.8	6	17.9	0 18 1	1.1	21.9	18.7	4.7	18 46	2.3	2	5	5.4	19 31	3.6	5	3	2 20 17	4.9	8				
56	15.9	1.8	15 17	27.4	2	16.7	2.5	16 0	28.6	4	5	3.3	16 43	29.9	8	3	0 17 27	1.1	1	1	4.7	18 12	2.4	4	0	5.4	18 56	3.7	8		

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

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UPPER MERIDIAN, CUSP OF 10th H.																														
H. M. S. SID. T. 13 47 49 } \simeq ARC 208° 57'.2 } 29°						H. M. S. 13 51 38 } \simeq 0° 207° 54'.5 }					H. M. S. 13 55 27 } \simeq 1° 208° 51'.9 }					H. M. S. 13 59 18 } \simeq 2° 209° 49'.4 }					H. M. S. 14 3 8 } \simeq 3° 210° 47'.1 }					H. M. S. 14 7 0 } \simeq 4° 211° 44'.9 }				
H.	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8
Lat.	m	f	h	h	h	m	f	h	h	h	m	f	h	h	h	m	f	h	h	h	f	f	h	h	h	f	f	h	h	h
22	26.5	21.1	15 58	20.5	26.5	27.4	22.0	16 54	21.6	27.6	28.3	22.8	17 51	22.7	28.7	29.2	23.7	18 48	23.8	29.8	0.1	24.6	19 46	24.9	0.9	1.0	25.4	20 44	25.9	2.0
23	4 20.8	15 29	3	5	3	21.7	16 25	3	6	2	5 17	22	4	7	1	4 18	19	5	8	0	3 19	17	7	9	0.9	1 20	15	7	0	
24	3	5 14	59	0	5	2	4 15	56	1	6	1	2 16	52	2	7	0	1 17	50	3	8	29.8	0 18	48	4	9	7 24	8	19 46	5	0
25	1	2 14	29	19.8	4	0	0 15	25	20.9	6	27.9	21.9	16 22	0	7	28.8	22.8	17 20	1	8	7 23	6	18 17	2	9	6	5 19	16	3	0
26	0	19.9	13 58	5	4	26.9	20.7	14 54	6	6	8	6 15	51	21.7	7	7	4 16	49	22.9	8	6	3 17	47	0	9	5	2 18	45	1	0
27	25.9	5	13 26	3	26.4	7	4 14	23	4	27.5	6	3 15	20	5	28.7	5	1 16	17	6	29.8	4	0 17	15	23.7	0.9	0.3	23.8	18 13	24.9	2.1
28	7	2 12	54	0	4	6	1 13	51	1	5	5 20	9	14 47	2	7	4 21	8	15 45	3	8	29.3	22.6	16 43	5	9	2	5 17	41	6	1
29	6	18.9	12 21	18.7	4	5	19.7	13 17	19.8	5	27.3	6	14 14	0	7	2	4 15	12	1	8	1	3 16	9	2	9	0	2 17	8	4	1
30	4	5 11	47	4	4	26.3	4 12	44	6	5	2	2 13	40	20.7	7	1	1 14	38	21.8	8	0 21	9	15 35	0	9	29.9	22.8	16 34	1	1
31	25.3	2 11	13	1	4	2	0 12	9	3	5	0 19	9	13 6	4	6	27.9	20.7	14 3	5	8	28.8	6 15	1 22	7	0.9	7	5 15	59	23.8	1
32	1	17.8	10 37	17.8	26.4	0	18.7	11 33	18.9	27.5	26.9	5 12	30	1 28	6	8	4 13	27	2 29	8	7	2 14	25	4	9	5	1 15	23	6	2.1
33	0	4 10	1	5	3	25.9	3 10	57	6	5	7	1 11	53	19.8	6	6	0 12	50	20.9	8	5 20	8	13 48	1	9	4 21	7	14 46	3	1
34	24.8	1	9 23	2	3	7 17	9	10 19	3	5	6 18	8	11 16	5	6	5 19	6	12 13	6	8	3	5 13	10	21.8	9	2	3 14	9	0	1
35	7	16.7	8 45	16.8	3	5	5 9	41	0	5	4	4 10	37	1	6	3	2 11	34	3	8	2	1 12	32	5	1.0	0 20	9	13 30	22.7	1
36	5	3	8 5	5	3	4	1	9 1	17.6	5	2	0 9	57	18.8	6	1	18.8	10 54	0	8	1 19	7	11 52	2	0	28.9	5 12	50	3	1
37	3	15.9	7 25	1 26.3	3	16.7	8 20	2 27.4	1	17.6	9 16	4 28.6	26.9	4 10	13	19.6	29.8	27.9	3 11	10	20.8	0	7	1 12	8	0	2.2			
38	2	5	6 43	15.7	3	1	3	7 38	16.9	4	25.9	2	8 34	1	6	8	0 9	31	2	8	7 18	8	10 28	4	0	5 19	7	11 25	21.7	2
39	0	1	5 59	4	2	24.9	15.9	6 54	5	4	7 16	7	50 17.7	6	6	17.6	8 47	18.9	8	5	4	9 44	1	0	3	3 10	41	4	2	
40	23.8	14.6	5 15	0	2	7	5	6 10	1	4	5	3	7 5	3	6	4	1	8 1	5	8	3	0	8 58	19.7	1.0	1 18	8	9 55	0	2
41	6	2	4 29	14.6	2	5	0	5 23	15.7	4	3	15.8	6 19	16.9	6	2	16.7	7 15	1	8	1 17	5	8 11	3	0	27.9	4	9 8	20.6	2
42	4	13.7	3 41	1 26.2	3	14.6	4 36	2 27.4	1	4	5 31	4 28.6	0	2	6 26	17.7	29.8	26.9	0	7 22	18.9	0	7 17	9	8 19	2	2.2			
43	2	3	2 52	13.6	2	1	1	3 46	14.7	4	24.9	14.9	4 41	15.9	6	25.8	15.7	5 36	2	8	7 16	5	6 32	5	0	5	4	7 29	19.8	2
44	0	12.8	2 1	1	1	23.9	13.6	2 55	2	4	7	4	3 49	4	6	6	2	4 44	16.7	8	5	0	5 40	0	1.0	3 16	9	6 36	3	2
45	22.8	3	1 9	12.6	1	7	1	2 2	13.7	3	5	13.9	2 56	14.9	5	3	14.7	3 50	2	8	3 15	5	4 46	17.5	0	1	3	5 42	18.8	2
46	6	11.8	0 14	0	1	5	12.6	1 7	2	3	3	4	2 0	4	5	1	2	2 55	15.7	8	1	0	3 50	0	0	26.9	15.8	4 45	3	3
47	4	2 29	18	11.4	26.1	3	0	0 10	12.6	27.3	1	12.8	1 3	13.8	28.5	24.9	13.6	1 56	1 29	8	25.8	14.4	2 51	16.4	0	7	2	3 46	17.8	2.3
48	2	10.7	28 19	10.8	0	0	11.5	29 11	0	3	23.9	3	0 3	2	5	7	1	0 56	14.5	8	6 13	9	1 50	15.8	1.0	4 14	7	2 45	2	3
49	21.9	1 27	18	1	0	22.8	10.9	28 9	11.4	3	7	11.7	29 1	12.6	5	5	12.5	29 53	13.9	8	3	3	0 47	2	0	1	1	1 41	16.6	3
50	7	9.5	26 14	9.4	0	5	3 27	5 10.7	2	4	1	27 56	11.9	5	2	11.9	28 48	2	8	0	12.7	29 41	14.5	0	25.9	13.5	0 34	15.9	3	
51	4	8.9	25 9	8.7	25.9	2	9.6	25 59	0	2	1	10.5	26 49	2	5	23.9	3 27	40	12.5	8	24.7	1 28	32	13.8	1	6 12	9	29 24	2	3
52	1	3	24 0	7.9	9	21.9	0	24 49	9.2	27.2	22.8	9.9	25 39	10.4	28.5	6	10.6	26 29	11.7	29.8	4	11.4	27 20	0	1.1	3	2	28 12	14.4	2.3
53	20.9	7.6	22 49	0	9	6	8.3	23 37	8.3	2	5	2	24 76	9.5	4	3	9.9	25 16	10.8	8	2	10.7	26	6 12.2	1	0	11.5	26 56	13.6	4
54	6	6.9	21 35	6.0	8	4	7.6	22 22	7.3	1	2	8.5	23 10	8.5	4	0	2	23 58	9.9	8	23.9	0	24 48	11.3	1	24.7	10.7	25 37	12.7	4
55	3	2	20 17	4.9	8	1	6.9	21 3	6.2	1	21.9	7.7	21 50	7.5	4	22.7	8.4	22 38	8.9	8	6	9.2	23 26	10.3	1	4	9.9	24 15	11.7	4
56	0	5.4	18 56	3.7	8	20.8	1	19 42	5.0	1	5	6.9	20 27	6.4	4	3	7.6	21 14	7.8	8	2	8.4	22	1 9.2	1	0	1	22 48	10.6	4

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									41					
H. M. S. SID. T. 14 10 52 } η ARC 212° 42'.9 } 5°					H. M. S. 14 14 44 } η 6° 213° 41'.0 } η 6°					H. M. S. 14 18 37 } η 7° 214° 39'.4 } η 7°					H. M. S. 14 22 31 } η 8° 215° 37'.8 } η 8°					H. M. S. 14 26 26 } η 9° 216° 36'.5 } η 9°					H. M. S. 14 30 21 } η 10° 217° 35'.8 } η 10°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	\uparrow	
22	1.9	26.3	21 43	27.1	3.1	2.8	27.2	22 42	28.2	4.3	3.7	28.1	23 41	29.3	5.4	4.6	29.0	24 41	0.5	6.5	5.5	29.9	25 42	1.6	7.6	6.4	0.8	26 43	2.8	8.8
23	8	0 21 14	26.9	2	7	26.9	22 13	0	3	6	27.8	23 13	2	4	5	28.7	24 13	3	5	4	6	25 13	4	7	3	5	26 14	6	8	
24	6	25.7	20 45	7	2	5	6	21 44	27.8	3	4	5	22 43	0	4	3	3	23 43	1	6	2	2	24 44	2	7	1	1	25 45	4	8
25	5	4	20 14	5	2	4	3	21 14	6	3	3	1	22 13	28.8	4	2	0	23 14	29.9	6	1	28.9	24 14	0	7	0	29.8	25 16	2	9
26	1.4	0	19 43	2	2	2	25.9	20 43	4	3	1	26.8	21 43	6	5	0	27.7	22 43	7	6	4.9	6	23 44	0.8	7.7	5.8	5	24 46	0	9
27	2	24.7	19 12	0	3.2	1	6	20 11	2	4.3	0	5	21 11	3	5.5	3.9	4	22 12	5	6.6	8	3	23 13	6	8	7	1	24 15	1.8	9
28	1	4	18 40	25.8	2	1.9	3	19 39	26.9	3	2.8	1	20 39	1	5	7	0	21 39	3	7	6	27.9	22 41	4	8	5	28.8	23 43	6	9.0
29	0.9	0	18 7	5	2	8	24.9	19 6	7	4	7	25.8	20 6	27.9	5	6	26.7	21 7	0	7	5	6	22 8	2	8	4	5	23 10	4	0
30	7	23.7	17 33	3	2	6	6	18 32	4	4	5	4	19 32	6	5	4	3	20 33	28.8	7	4.3	2	21 34	0	7.9	2	1	22 36	2	0
31	6	3	16 58	0	2	5	2	17 57	2	4	4	1	18 57	4	6	3	0	19 58	6	6.7	1	26.9	20 59	29.8	9	0	27.7	22 1	0	1
32	4	0	16 22	24.7	3.3	1.3	23.8	17 22	25.9	4.4	2	24.7	18 22	1	5.6	1	25.6	19 22	3	8	0	5	20 23	5	9	4.9	4	21 25	0.7	1
33	3	22.6	15 45	4	3	1	5	16 45	6	4	0	3	17 45	26.8	6	2.9	2	18 45	0	8	3.8	1	19 46	3	8.0	7	0	20 48	5	9.1
34	1	2	15 7	1	3	0	1	16 7	3	5	1.9	23.9	17 7	5	6	8	24.8	18 7	27.8	8	6	25.7	19 8	0	0	5	26.6	20 10	2	2
35	29.9	21.8	14 28	23.8	3	0.8	22.7	15 28	0	5	7	5	16 27	3	7	6	4	17 28	5	6.8	5	3	18 29	28.7	0	4	2	19 31	0	2
36	8	4	13 48	5	3	6	3	14 47	24.7	5	6	1	15 47	0	7	4	0	16 47	2	9	3	24.9	17 49	4	1	2	25.8	18 50	29.7	2
37	6	0	13 6	2	3.3	4	21.8	14 6	4	4.5	4	22.7	15 5	25.7	5.7	2	23.6	16 5	0	9	1	5	17 7	2	1	0	4	18 9	5	3
38	4	20.6	12 23	22.9	4	3	4	13 22	1	5	2	3	14 22	4	7	0	2	15 22	26.7	9	2.9	0	16 23	27.9	8.1	3.8	24.9	17 25	2	9.3
39	2	1	11 39	6	4	1	0	12 38	23.7	6	0	21.8	13 37	1	8	1.8	22.7	14 37	3	7.0	7	23.6	15 38	6	2	6	5	16 40	28.9	4
40	0	19.7	10 53	2	4	29.9	20.5	11 52	4	6	0.8	4	12 51	24.7	8	6	3	13 51	0	0	5	1	14 52	3	2	4	0	15 53	6	4
41	28.8	2	10 6	21.8	4	7	1	11 4	0	6	6	20.9	12 3	3	8	4	21.8	13 3	25.6	0	3	22.6	14 4	0	3	2	23.5	15 5	3	5
42	6	18.7	9 17	4	3.4	5	19.6	10 15	22.6	4.6	4	4	11 14	23.9	5.9	2	3	12 14	2	1	1	1	13 13	26.6	8.3	2.9	0	14 15	27.9	9.5
43	4	2	8 26	0	4	3	1	9 24	2	6	2	19.9	10 23	5	9	0	20.8	11 22	24.8	1	1.8	21.6	12 22	2	4	7	22.5	13 22	5	6
44	2	17.7	7 33	20.6	5	0	18.5	8 31	21.8	7	0	4	9 29	1	9	0.7	2	10 28	4	7.2	6	1	11 28	25.8	4	5	21.9	12 28	1	6
45	0	2	6 38	1	5	28.8	0	7 35	4	7	29.8	18.8	8 33	22.7	9	5	19.7	9 32	0	2	4	20.5	10 31	4	5	2	4	11 31	26.7	7
46	27.8	16.6	5 41	19.6	5	6	17.4	6 38	20.9	4.7	5	3	7 35	2	6.0	3	1	8 33	23.5	3	2	0	9 32	0	8.5	0	20.8	10 32	3	9.7
47	5	1	4 41	1	3.5	4	16.9	5 38	4	7	3	17.7	6 35	21.7	0	0	18.5	7 32	0	3	0	19.4	8 31	24.5	5	1.8	2	9 31	25.8	8
48	3	15.5	3 39	18.5	6	1	3	4 36	19.8	7	0	1	5 32	2	0	29.8	17.9	6 29	22.5	7.3	0.7	18.8	7 27	0	6	6	19.6	8 26	3	8
49	0	14.9	2 35	17.9	6	27.9	15.7	3 30	2	8	28.7	16.5	4 26	20.6	1	6	3	5 23	0	4	4	2	6 20	23.4	6	3	0	7 19	24.8	9
50	26.7	3	1 28	2	6	6	1	2 22	18.6	4.8	4	15.9	3 18	0	1	3	16.7	4 14	21.4	4	1	17.5	5 11	22.8	8.7	0	18.4	6 8	2	10.0
51	4	13.6	0 18	16.5	6	3	14.4	1 11	17.9	8	1	2	2 6	19.4	6.1	0	0	3 1	20.8	4	29.8	16.9	3 58	2	7	0.7	17.7	4 55	23.6	0
52	1	12.9	29 4	15.8	3.6	26.9	13.7	29 57	2	9	27.8	14.5	0 51	18.7	2	28.6	15.3	1 46	1	7.5	5	2	2 41	21.5	8	3	0	3 37	22.9	1
53	25.8	2	27 48	0	7	6	0	28 40	16.4	9	6	13.8	29 33	17.9	2	3	14.6	0 26	19.3	6	2	15.4	1 21	20.7	9	0	16.2	2 16	2	2
54	5	11.5	26 28	14.1	7	3	12.3	27 19	15.5	5.0	3	0	28 11	0	3	0	13.8	29 3	18.4	7	28.9	14.6	29 57	19.9	9.0	29.7	15.4	0 51	21.4	10.3
55	2	10.7	25 4	13.1	7	0	11.5	25 54	14.5	1	26.9	12.3	26 45	16.0	4	27.7	0	27 36	17.5	7	5	13.8	28 28	0	0	3	14.6	29 21	20.5	4
56	24.8	9.9	23 36	12.0	7	25.6	10.7	24 25	13.4	1	5	11.5	25 15	14.9	5	3	12.2	26 5	16.5	8	1	0	26 56	18.0	1	28.9	13.8	27 48	19.5	5

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

42																														UPPER MERIDIAN, CUSP OF 10th H.																													
H. M. S. SID. T. 14 30 21 } m ARC 217° 35'.3 } 10°										H. M. S. 14 34 17 } m 11° 218° 34'.3 }										H. M. S. 14 38 14 } m 12° 219° 33'.4 }										H. M. S. 14 42 11 } m 13° 220° 32'.8 }										H. M. S. 14 46 9 } m 14° 221° 32'.3 }										H. M. S. 14 50 8 } m 15° 222° 32'.0 }									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																								
Lat.	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5																								
22	6.4	0.8	26.43	2.8	8.8	7.3	1.7	27.44	3.9	9.9	8.2	2.6	28.46	5.1	11.0	9.1	3.5	29.49	6.3	12.2	10.1	4.4	0.52	7.4	13.3	11.0	5.3	1.56	8.6	14.5																													
23	3	5	26.14	6	8	2	4	27.16	7	9	1	3	28.18	4.9	1	0	2	29.21	1	2	9.9	1	0.25	3	4	10.8	0	1	29	5	5																												
24	1	1	25.45	4	8	0	0	26.47	6	10.0	0	1.9	27.50	8	1	8.9	2.9	28.53	5.9	3	8	3.8	29.56	1	4	7	4.7	1	1	4	6																												
25	0	29.8	25.16	2	9	6.9	0.7	26.18	4	0	7.8	6	27.20	6	1	7	5	28.24	8	3	6	4	29.27	0	4	5	4	0	32	2	6																												
26	5.8	5	24.46	0	9	7	4	25.48	2	0	7	3	26.50	4	2	6	2	27.54	6	3	5	1	28.57	6.8	5	4	0	0	2	1	7																												
27	7	1	24.15	1.8	9	6	0	25.17	0	1	5	0.9	26.19	2	11.2	4	1.9	27.23	5	12.4	9.3	2.8	28.27	7	13.5	2	3.7	29.32	7.9	14.7																													
28	5	28.8	23.43	6	9.0	4	29.7	24.45	2.8	1	3	6	25.48	0	3	2	5	26.51	3	4	1	4	27.55	5	6	0	3	29	0	7	8																												
29	4	5	23.10	4	0	3	4	24.12	6	10.1	2	3	25.15	3.8	3	1	2	26.18	1	5	0	1	27.23	3	6	9.9	0	28	28	6	8																												
30	2	1	22.36	2	0	1	0	23.38	4	2	0	29.9	24.41	6	4	7.9	0.8	25.45	4.9	5	8.8	1.7	26.49	1	7	7	2.6	27.55	4	9																													
31	0	27.7	22	1	0	1	5.9	28.6	23	3	2	2	6.8	5	24	6	4	7	5	25.10	7	12.6	6	4	26.15	5.9	13.7	5	3	27	20	2	9																										
32	4.9	4	21.25	0.7	1	8	3	22.27	0	3	7	2	23.31	2	11.4	6	1	24.35	5	6	5	0	25.39	7	8	4	1.9	26.45	0	15.0																													
33	7	0	20.48	5	9.1	6	27.9	21.51	1.7	3	5	28.8	22.54	0	5	4	29.7	23.58	3	7	3	0.6	25	3	5	8	2	5	26	9	6.8	0																											
34	5	26.6	20.10	2	2	4	5	21.13	5	10.3	3	4	22.16	2.8	5	2	3	23.20	0	7	1	2	24.25	3	9	0	1	25	31	6	1																												
35	4	2	19.31	0	2	2	1	20.34	2	4	1	0	21.37	5	6	0	28.9	22.41	3.8	12.8	7.9	29.8	23.46	1	14.0	8.8	0.7	24.52	4	1																													
36	2	25.8	18.50	29.7	2	1	26.7	19.53	0	4	5.9	27.6	20.56	3	11.6	6.8	5	22	1	6	8	7	4	23	5	4.9	0	6	3	24	11	2	2																										
37	0	4	18	9	5	3	4.9	3	19.11	0.7	5	7	2	20.15	0	6	6	1	21.19	3	9	5	0	22.23	6	1	4	29.8	23.29	0	15.3																												
38	3.8	24.9	17.25	2	9.3	7	25.8	18.28	4	5	5	26.7	19.31	1.8	7	4	27.6	20.35	0	9	3	28.5	21.40	4	1	2	4	22	46	5.7	3																												
39	6	5	16.40	28.9	4	5	4	17.43	2	10.6	3	3	18.46	5	7	2	2	19.50	2.8	13.0	1	1	20.55	1	2	0	28.9	22	0	5	4																												
40	4	0	15.53	6	4	3	24.9	16.56	29.9	6	1	25.8	17.59	2	11.8	0	26.7	19	3	5	0	6.9	27.6	20	8	3.9	14.3	7.8	4	21	13	2	5																										
41	2	23.5	15	5	3	5	0	4	16	7	6	7	4.9	3	17	10	0.9	8	5.8	2	18	14	2	1	7	1	19	19	6	4	6	27.9	20	24	4.9	6																							
42	2.9	0	14.15	27.9	9.5	3.8	23.9	15.17	3	7	7	24.8	16.20	6	9	6	25.6	17.23	1.9	2	5	26.5	18.28	3	4	4	4	19	34	6	15.6																												
43	7	22.5	13.22	5	6	6	4	14.24	28.9	10.8	5	2	15.27	3	9	4	1	16.30	6	13.3	3	0	17.35	0	5	1	26.9	18	40	3	7																												
44	5	21.9	12.28	1	6	4	22.8	13.29	5	8	2	23.7	14.32	0	12.0	1	24.6	15.35	3	4	0	25.5	16.39	2.7	5	6.9	4	17	45	0	8																												
45	2	4	11.31	26.7	7	1	3	12.32	1	9	0	1	13.35	29.6	1	4.9	0	14.38	0	4	5.8	24.9	15.42	4	14.6	6	25.8	16	47	3.7	9																												
46	0	20.8	10.32	3	9.7	2.9	21.7	11.33	27.7	9	3.8	22.6	12.35	2	2	7	23.4	13.37	0.6	5	6	3	14.41	0	7	4	2	15	46	4	16.0																												
47	1.8	2	9	31	25.8	8	7	1	10	31	3	11.0	6	0	11	32	28.8	3	4	22.8	12.34	2	13.5	3	23.7	13	38	1.6	8	2	24.6	14	42	0	1																								
48	6	19.6	8	26	3	8	4	20.5	9	26	26.8	1	3	21.4	10	27	3	12.4	2	2	11	29	29.7	6	0	1	12	32	2	9	5.9	0	13	35	2.6	2																							
49	3	0	7	19	24.8	9	1	19.9	8	18	3	2	0	20.7	9	19	27.8	5	3.9	21.6	10	20	2	7	4.7	22.5	11	22	0.7	15.0	6	23.3	12	25	2	3																							
50	0	18.4	6	8	2	10.0	1.8	2	7	7	25.7	3	2.7	0	8	7	2	5	6	20.9	9	7	28.7	8	4	21.8	10	9	2	1	3	22.6	11	12	1.7	16.4																							
51	0.7	17.7	4	55	23.6	0	5	18.5	5	52	1	4	4	19.4	6	51	26.6	6	2	2	7	51	1	14.0	1	1	8	52	29.6	3	0	21.9	9	54	2	5																							
52	3	0	3	37	22.9	1	2	17.8	4	34	24.5	11.5	1	18.7	5	32	0	12.7	2.9	19.5	6	31	27.5	1	3.8	20.4	7	32	0	4	4.6	2	8	33	0.6	7																							
53	0	16.2	2	16	2	2	0.8	0	3	12	23.8	5	1.8	17.9	4	9	25.3	8	6	18.7	5	7	26.8	2	4	19.6	6	7	28.4	15.5	3	20.4	7	7	0	8																							
54	29.7	15.4	0	51	21.4	10.3	5	16.2	1	46	0	6	4	0	2	42	24.5	9	3	17.9	3	39	0	3	1	18.8	4	37	27.7	6	0	19.5	5	36	29.3	17.0																							
55	3	14.6	29	21	20.5	4	2	15.4	0	15	22.1	7	0	16.2	1	10	23.6	13.1	1.9	0	2	6	25.2	4	2.7	17.9	3	3	26.9	7	3.6	18.7	4	1	28.5	1																							
56	28.9	13.8	27	48	19.5	5	29.8	14.5	28	40	21.1	9	0.6	15.3	29	34	22.6	3	5	16.1	0	28	24.2	5	3	0	1	24	25.9	9	1	17.8	2	20	27.6	3																							

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									48					
H. M. S. SID. T. 14 54 7 } m ARC 223° 31'.8 } 16°						H. M. S. 14 58 7 } m 17° 224° 31'.9 }					H. M. S. 15 2 8 } m 18° 225° 32'.1 }					H. M. S. 15 6 10 } m 19° 226° 32'.5 }					H. M. S. 15 10 12 } m 20° 227° 33'.1 }					H. M. S. 15 14 16 } m 21° 228° 33'.9 }				
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌
22	11.9	6.3	3 1	9.8	15.6	12.8	7.2	4 6	11.0	16.7	13.7	8.1	5 11	12.3	17.9	14.6	9.1	6 17	13.5	19.0	15.5	10.0	7 24	14.7	20.2	16.5	11.0	8 32	16.0	21.3
23	7	0	2 33	7	7	6	6.9	3 39	10.9	8	6	7.8	4 45	1	9	5	8.8	5 51	4	1	4	9.7	6 58	6	2	3	10.7	8 6	15.9	4
24	6	5.6	2 5	6	7	5	6	3 11	8	8	4	5	4 17	0	18.0	3	5	5 24	3	1	2	4	6 31	5	3	2	4	7 39	8	4
25	4	3	1 37	4	8	3	2	2 42	7	9	3	2	3 49	11.9	1	2	1	4 56	1	2	1	1	6 3	4	3	0	0	7 12	7	5
26	11.3	0	1 7	9.3	15.8	2	5.9	2 13	5	9	1	6.8	3 20	8	1	0	7.8	4 27	0	3	14.9	8.7	5 35	14.3	20.4	15.9	9.7	6 43	6	6
27	1	4.6	0 37	1	9	0	6	1 43	10.4	17.0	12.9	5	2 50	6	2	13.9	4	3 57	12.9	19.3	8	4	5 5	2	5	7	4	6 14	5	21.6
28	0	3	0 6	0	9	11.9	2	1 12	2	1	8	1	2 19	5	2	7	1	3 27	8	4	6	0	4 35	1	6	5	0	5 44	15.4	7
29	10.8	3.9	29 34	8.8	16.0	7	4.9	0 40	1	1	6	5.8	1 47	11.4	18.3	5	6.7	2 55	7	5	4	7.7	4 4	13.9	6	4	8.7	5 13	3	8
30	6	6	29 0	7	0	5	5	0 7	0	2	4	4	1 14	2	4	4	4	2 23	5	5	3	3	3 31	8	20.7	2	3	4 41	1	9
31	5	2	28 26	5	1	4	1	29 33	9.8	2	3	1	0 41	1	4	2	0	1 49	12.4	6	1	0	2 58	7	8	0	7.9	4 8	0	9
32	3	2.8	27 51	3	1	2	3.8	28 58	6	17.3	1	4.7	0 6	10.9	5	0	5.6	1 14	2	19.7	13.9	6.6	2 23	6	9	14.8	5	3 34	14.9	22.0
33	1	4	27 15	1	2	0	4	28 22	4	4	11.9	3	29 30	8	6	12.8	2	0 39	1	7	7	2	1 48	13.4	9	7	1	2 58	8	1
34	9.9	0	26 37	7.9	16.3	10.8	0	27 44	3	5	7	3.9	28 52	6	18.6	6	4.8	0 1	11.9	8	6	5.8	1 11	3	21.0	5	6.7	2 21	6	2
35	7	1.6	25 58	7	3	6	2.6	27 5	1	5	5	5	28 14	4	7	4	4	29 23	8	9	4	4	0 33	1	1	3	3	1 43	5	3
36	5	2	25 18	5	4	4	1	26 25	8.9	6	3	1	27 34	2	7	2	0	28 42	6	20.0	2	4.9	29 53	12.9	2	1	5.9	1 4	14.3	4
37	3	0.8	24 36	3	5	2	1.7	25 44	7	17.7	1	2.6	26 52	0	8	0	3.6	28 1	4	1	0	5	29 11	8	3	13.9	4	0 23	2	22.5
38	1	3	23 52	1	6	0	2	25 0	4	8	10.9	2	26 8	9.8	9	11.8	1	27 17	2	2	12.8	0	28 28	6	4	7	0	29 40	0	6
39	8.9	29.8	23 7	6.8	16.6	9.8	0.8	24 15	2	8	7	1.7	25 23	6	19.0	6	2.6	26 32	0	3	5	3.6	27 43	4	21.5	5	4.5	28 55	13.8	7
40	7	4	22 20	6	7	6	3	23 28	0	9	5	2	24 36	4	1	4	1	25 46	10.8	4	3	1	26 56	2	6	2	0	28 8	6	8
41	5	28.9	21 31	3	8	4	29.8	22 39	7.7	18.0	3	0.7	23 47	1	2	2	1.6	24 57	5	20.5	1	2.6	26 7	0	7	0	3.5	27 19	4	9
42	3	4	20 40	0	9	2	3	21 47	5	1	1	2	22 56	8.9	3	0	1	24 6	3	6	11.9	0	25 16	11.8	8	12.8	0	26 28	2	23.0
43	0	27.8	19 47	5.7	17.0	8.9	28.7	20 54	2	2	9.8	29.7	22 2	7	4	10.7	0.6	23 12	1	7	6	1.5	24 22	6	9	5	2.4	25 34	0	2
44	7.8	3	18 51	4	1	7	2	19 58	6.9	3	6	1	21 6	4	19.5	5	0	22 16	9.9	8	4	0.9	23 26	3	22.1	3	1.8	24 38	12.8	3
45	5	26.7	17 53	2	1	4	27.6	19 0	7	4	3	28.5	20 8	1	6	2	29.4	21 17	6	21.0	1	3	22 27	1	2	0	3	23 39	5	5
46	2	1	16 51	4.9	2	1	0	17 58	4	18.5	0	27.9	19 6	7.8	7	9.9	28.8	20 15	3	1	10.9	29.7	21 25	10.8	4	11.7	0.7	22 36	3	23.6
47	0	25.5	15 47	5	3	7.9	26.4	16 54	1	6	8.8	3	18 1	5	9	7	2	19 10	0	2	6	1	20 20	5	5	4	0	21 31	0	7
48	6.8	24.9	14 40	1	17.5	6	25.8	15 46	5.7	7	5	26.7	16 53	1	20.0	4	27.6	18 1	8.7	3	3	28.5	19 11	2	22.6	1	29.4	20 22	11.7	8
49	5	2	13 30	3.7	6	3	1	14 35	3	9	2	0	15 42	6.7	2	1	26.9	16 50	3	21.5	0	27.8	17 59	9.9	7	10.8	28.7	19 9	4	24.0
50	2	23.5	12 16	2	7	0	24.4	13 20	4.8	19.0	7.9	25.3	14 26	3	3	8.8	2	15 34	7.9	6	9.7	1	16 42	5	9	5	0	17 52	1	2
51	5.8	22.8	10 57	2.7	8	6.6	23.7	12 2	3	2	6	24.6	13 7	5.9	5	5	25.5	14 14	5	8	4	26.4	15 22	1	23.1	2	27.3	16 31	10.7	4
52	5	0	9 35	2	18.0	3	22.9	10 39	3.8	4	3	23.8	11 43	4	7	1	24.7	12 49	0	22.0	0	25.6	13 56	8.7	3	9.9	26.5	15 5	3	6
53	2	21.2	8 8	1.6	1	0	1	9 11	2	5	6.9	0	10 15	4.9	9	7.8	23.9	11 19	6.5	1	8.6	24.7	12 26	2	4	5	25.6	13 33	9.9	8
54	4.8	20.4	6 37	0.9	3	5.7	21.3	7 38	2.6	7	5	22.1	8 41	3	21.0	4	0	9 44	5.9	3	2	23.8	10 50	7.7	6	1	24.7	11 56	4	25.0
55	4	19.5	5 0	2	4	3	20.4	6 0	1.9	8	1	21.2	7 1	3.6	1	0	22.1	8 4	3	5	7.8	22.9	9 8	1	8	8.7	23.8	10 13	8.9	2
56	0	18.6	3 18	29.3	6	4.9	19.4	4 17	1	20.0	5.6	20.2	5 16	2.8	3	6.6	21.1	6 17	4.6	7	4	21.9	7 20	6.4	24.0	2	22.8	8 24	3	4

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

44																														UPPER MERIDIAN, CUSP OF 10th H.																													
H. M. S. SID. T. 15 14 16 } m ARC 228° 33'.9 } 21°						H. M. S. 15 18 19 } m 22° 229° 34'.8 }						H. M. S. 15 22 24 } m 23° 230° 36'.0 }						H. M. S. 15 26 29 } m 24° 231° 37'.3 }						H. M. S. 15 30 35 } m 25° 232° 38'.8 }						H. M. S. 15 34 42 } m 26° 233° 40'.5 }																													
H.	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8																								
Lat.	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5																								
22	16.5	11.0	8 32	16.0	21.3	17.4	12.0	9 40	17.2	22.5	18.3	12.9	10 49	18.4	23.6	19.3	13.9	11 59	19.7	24.7	20.2	14.9	13 9	20.9	25.9	21.1	15.9	14 19	22.2	27.0																													
23	3	10.7	8 6	15.9	4	3	11.6	9 15	1	5	2	6	10 24	4	7	1	6	11 33	6	8	0	6	12 44	9	26.0	0	6	13 55	2	1																													
24	2	4	7 39	8	4	1	3	8 48	0	6	0	3	9 58	3	7	0	3	11 8	6	9	19.9	3	12 18	8	0	20.8	2	13 30	1	2																													
25	0	0	7 12	7	5	16.9	0	8 21	16.9	7	17.9	0	9 31	2	8	18.8	12.9	10 41	5	25.0	7	13.9	11 52	8	1	7	14.9	13 4	1	3																													
26	15.9	9.7	6 43	6	6	8	10.7	7 53	8	22.7	7	11.6	9 3	1	9	6	6	10 13	4	0	6	6	11 25	7	2	5	6	12 37	0	27.4																													
27	7	4	6 14	5	21.6	6	3	7 24	7	8	5	3	8 34	0	24.0	5	3	9 45	19.3	1	4	2	10 57	20.6	26.3	3	2	12 10	21.9	5																													
28	5	0	5 44	15.4	7	5	0	6 54	6	9	4	10.9	8 5	17.9	0	3	11.9	9 16	2	2	2	12.9	10 28	6	4	2	13.9	11 41	9	5																													
29	4	8.7	5 13	3	8	3	9.6	6 23	5	23.0	2	6	7 34	9	1	1	6	8 46	2	25.3	1	5	9 58	5	5	0	5	11 12	8	6																													
30	2	3	4 41	1	9	1	2	5 51	16.4	0	0	2	7 3	8	2	0	2	8 15	1	4	18.9	2	9 28	4	6	19.8	2	10 41	8	27.7																													
31	0	7.9	4 8	0	9	15.9	8.9	5 19	3	1	16.9	9.8	6 30	7	24.3	17.8	10.8	7 42	0	5	7	11.8	8 56	3	26.7	6	12.8	10 10	7	8																													
32	14.8	5	3 34	14.9	22.0	8	5	4 45	2	2	7	5	5 56	6	4	6	4	7 9	18.9	6	5	4	8 23	20.3	8	5	4	9 37	21.6	9																													
33	7	1	2 58	8	1	6	1	4 9	1	23.3	5	1	5 21	17.5	5	4	0	6 35	8	25.7	3	0	7 49	2	9	3	0	9 3	5	28.0																													
34	5	6.7	2 21	6	2	4	7.7	3 33	0	4	3	8.7	4 45	3	6	2	9.6	5 59	7	8	2	10.6	7 13	1	27.0	1	11.6	8 28	5	2																													
35	3	3	1 43	5	3	2	3	2 55	15.8	5	1	2	4 8	2	24.7	0	2	5 21	6	9	0	2	6 36	0	1	18.9	2	7 52	4	3																													
36	1	5.9	1 4	14.3	4	0	6.8	2 16	7	6	15.9	7.8	3 29	1	8	16.8	8.8	4 43	5	26.0	17.8	9.8	5 57	19.9	2	7	10.8	7 14	21.3	4																													
37	13.9	4	0 23	2	22.5	14.8	4	1 35	6	23.7	7	4	2 48	0	9	6	3	4 2	18.4	1	6	3	5 17	8	3	5	3	6 34	2	28.5																													
38	7	0	29 40	0	6	6	5.9	0 52	4	8	5	6.9	2 5	16.8	25.0	4	7.8	3 20	2	2	3	8.8	4 35	7	27.4	3	9.8	5 52	1	6																													
39	5	4.5	28 55	13.8	7	4	4	0 7	2	9	3	4	1 21	7	1	2	4	2 35	1	3	1	4	3 51	6	5	0	4	5 8	0	8																													
40	2	0	28 8	6	8	1	0	29 20	1	24.0	0	5.9	0 34	5	2	0	6.9	1 49	0	26.5	16.9	7.9	3 5	19.4	7	17.8	8.9	4 22	20.9	9																													
41	0	3.5	27 19	4	9	13.9	4.5	28 31	14.9	1	14.8	4	29 45	3	4	15.7	4	1 0	17.8	6	6	4	2 17	3	8	6	3	3 34	8	29.0																													
42	12.8	0	26 28	2	23.0	7	3.9	27 40	7	3	6	4.9	28 54	2	25.5	5	5.9	0 10	7	7	4	6.8	1 26	1	28.0	3	7.8	2 43	6	2																													
43	5	2.4	25 34	0	2	4	4	26 47	5	4	3	3	28 1	0	7	3	3	29 16	5	9	1	3	0 33	0	1	0	3	1 51	5	3																													
44	3	1.8	24 38	12.8	3	2	2.8	25 51	3	24.6	1	3.8	27 5	15.8	8	0	4.7	28 20	3	27.0	15.9	5.7	29 37	18.8	3	16.8	6.7	0 55	20.4	5																													
45	0	3	23 39	5	5	12.9	2	24 52	0	7	13.8	2	26 6	6	9	14.7	1	27 21	1	2	6	1	28 38	6	4	5	1	29 56	2	6																													
46	11.7	0.7	22 36	3	23.6	6	1.6	23 49	13.8	8	5	2.6	25 3	3	26.0	4	3.5	26 19	16.9	3	3	4.5	27 35	5	28.5	2	5.5	28 54	1	8																													
47	4	0	21 31	0	7	3	0	22 44	6	9	2	1.9	23 58	1	2	1	2.9	25 13	7	4	0	3.8	26 30	3	7	15.9	4.8	27 48	19.9	8																													
48	1	29.4	20 22	11.7	8	0	0.3	21 35	3	25.1	12.9	3	22 48	14.8	4	13.8	2	24 3	5	5	14.7	2	25 20	1	9	6	1	26 38	7	0.2																													
49	10.8	28.7	19 9	4	24.0	11.7	29.6	20 21	1	2	6	0.6	21 35	6	6	5	1.5	22 50	3	7	4	2.5	24 6	17.9	29.1	3	3.4	25 24	6	3																													
50	5	0	17 52	1	2	4	28.9	19 4	12.8	4	3	29.8	20 17	4	7	2	0.8	21 31	1	28.0	1	1.7	22 47	8	3	0	2.7	24 5	5	5																													
51	2	27.3	16 31	10.7	4	0	2	17 42	5	6	11.9	1	18 54	1	9	12.8	0	20 8	15.8	2	13.8	0	21 24	6	5	14.7	1.9	22 41	3	8																													
52	9.9	26.5	15 5	3	6	10.7	27.4	16 15	1	8	6	28.3	17 27	13.8	27.1	5	29.2	18 40	5	4	4	0.2	19 55	3	7	3	1	21 11	1	1.0																													
53	5	25.6	13 33	9.9	8	4	26.5	14 43	11.7	26.1	2	27.4	15 53	4	3	1	28.4	17 6	2	7	0	29.3	18 20	0	9	13.9	0.2	19 36	18.8	2																													
54	1	24.7	11 56	4	25.0	0	25.6	13 4	2	3	10.8	26.5	14 14	0	6	11.7	27.5	15 26	14.8	9	12.6	28.4	16 39	16.7	0.2	5	29.3	17 54	5	5																													
55	8.7	23.8	10 13	8.9	2	9.6	24.6	11 20	10.7	5	4	25.5	12 29	12.5	8	3	26.4	13 39	4	29.2	2	27.3	14 51	3	5	1	28.3	16 4	2	8																													
56	2	22.8	8 24	3	4	1	23.6	9 29	1	7	0	24.4	10 36	0	28.1	10.8	25.3	11 45	13.9	4	11.7	26.3	12 55	15.9	8	12.6	27.2	14 7	17.9	2.1																													

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									45					
H. M. S. SID. T. 15 38 49 } η ARC 234° 42'.3 } 27°					H. M. S. 15 42 57 } η 28° 235° 44'.4 }					H. M. S. 15 47 6 } η 29° 236° 46'.6 }					H. M. S. 15 51 16 } \uparrow 0° 237° 48'.9 }					H. M. S. 15 55 26 } \uparrow 1° 238° 51'.5 }					H. M. S. 15 59 37 } \uparrow 2° 239° 54'.2 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	\uparrow	\downarrow	∞	\times	γ	\uparrow	\downarrow	∞	\times	γ	\uparrow	\downarrow	∞	\times	γ	\uparrow	\downarrow	∞	\times	γ	\uparrow	\downarrow	∞	\times	γ	\uparrow	\downarrow	∞	\times	γ
22	22.1	16.9	15 30	23.5	28.2	23.0	17.9	16 42	24.8	29.3	24.0	18.9	17 55	26.0	0.5	24.9	19.9	19 8	27.3	1.6	25.9	20.9	20 22	28.6	2.8	26.8	22.0	21 36	29.9	3.9
23	21.9	6 15 6	4	3	22.9	6 16 19	7	4	23.8	6 17 32	0	6	8	6 18 45	3	7	7	6 19 59	6	9	7 21.7	21 15	9	4.0						
24	8	2 14 42	4	3	7	2 15 54	7	5	6	3 17 8	0	7	6	3 18 22	3	8	6	3 19 37	6	3.0	5	4 20 52	9	1						
25	6 15.9	14 16	3	4	5 16.9	15 29	7	6	5 17.9	16 43	25.9	8	5 18.9	17 58	3	9	4	0 19 13	6	1	3	1 20 29	9	2						
26	4	6 13 50	23.3	5	4	6 15 4	6 29.7	3	6 16 18	9	9 24.3	6 17 33	2	2.0	2 19.7	18 49	6	2	2 20.8	20 5	9	3								
27	3	2 13 23	2 28.6	2	2 14 37	24.6	8	2	3 15 52	9	1.0	1	3 17 7	27.2	1	1	4 18 24	28.5	3	0	5 19 41	29.9	4							
28	1 14.9	12 55	2	7	0 15.9	14 9	5	9	0 16.9	15 25	8	1	0 17.9	16 41	2	2 24.9	0 17 58	5	4	25.8	1 19 15	9	4.5							
29	20.9	5 12 26	1	8	21.9	5 13 41	5	8	22.8	6 14 57	8	2	23.8	6 16 13	2	3	7 18.6	17 31	5	3.5	7 19.7	18 49	9	7						
30	8	2 11 56	23.1	9	7	2 13 11	4	0.1	6	2 14 28	25.8	3	6	2 15 45	1	4	5	2 17 3	5	6	5	3 18 21	9	8						
31	6 13.8	11 25	0 29.0	5	14.8	12 41	24.4	2	5 15.8	13 57	7	4	4 16.8	15 15	1	2.5	4 17.8	16 34	5	7	3 18.9	17 53	9	9						
32	4	4 10 52	0	1	3	4 12 9	3	3	3	4 13 26	7	1.5	2	5 14 44	27.1	6	2	4 16 3	28.5	8	1	5 17 23	29.9	5.0						
33	2	0 10 19	22.9	2	1	0 11 36	3	4	1	0 12 54	7	6	0	1 14 12	1	8	0	0 15 32	5	4.0	24.9	1 16 52	9	2						
34	0 12.6	9 44	9	3	0 13.6	11 1	2	0.5	21.9	14.6	12 20	25.6	7	22.8	15.6	13 39	0	9	23.8	16.6	14 59	5	1	7 17.7	16 20	9	3			
35	19.8	2 9 8	8 29.5	20.8	2 10 26	24.2	6	7	2 11 44	6	8	6	2 13 4	0	3.0	6	2 14 24	4	2	5	3 15 46	9	4							
36	6 11.8	8 30	7	6	6 12.8	9 48	1	8	5 13.8	11 7	5	9	4 14.8	12 27	0	1	4 15.8	13 48	4	3	3 16.9	15 11	9	5.5						
37	4	3 7 51	22.6	7	3	3 9 9	1	9	3	3 10 28	5	2.0	2	3 11 49	26.9	3	2	4 13 11	28.4	4.4	1	4 14 33	29.9	6						
38	2 10.8	7 10	6	8	1 11.8	8 28	0	1.0	1 12.8	9 48	25.4	1	0 13.9	11 9	9	4	0 14.9	12 31	4	6	23.9	15.9	13 55	9	8					
39	0	4 6 26	5	8	19.9	4 7 45	23.9	2	20.8	4 9 5	4	3	21.8	4 10 27	9	3.6	22.7	4 11 50	4	7	7	5 13 14	9	9						
40	18.7	9.9	5 41	4	0.1	7 10.9	7 0	9	3	6 11.9	8 21	3	5	5 12.9	9 43	8	7	5 13.9	11 6	3	9	4	0 12 31	9	6.1					
41	5	3 4 53	22.3	3	4	3 6 13	8	5	4	4 7 34	3	6	3	4 8 57	8	9	2	4 10 20	28.3	5.1	2 14.4	11 45	9	3						
42	2	8.8	4 3	2	4	2 9.8	5 23	7	1.7	1 10.8	6 45	25.2	8	1 11.8	8 8	26.8	4.0	0 12.8	9 32	3	2	22.9	13.9	10 58	29.9	4				
43	0	3 3 10	1	6	18.9	3 4 31	23.6	8	19.8	2 5 53	2	3.0	20.8	3 7 16	7	2	21.7	2 8 41	3	4	6	3 10 6	8	6						
44	17.7	7.7	2 14	21.9	7	6 8.7	3 35	5	9	6 9.7	4 58	1	2	5 10.7	6 21	7	4	4 11.6	7 47	2	6	4 12.7	9 14	8	8					
45	4	1 1 16	8	8	4	1 2 37	4	2.1	3	1 3 59	0	4	3	1 5 23	6	6	1	0 6 49	28.2	8	1	1 8 17	8	7.0						
46	1	6.5	0 13	7	1.0	1 7.4	1 35	3	3	0 8.4	2 57	24.9	6	0 9.4	4 22	6	8	20.9	10.4	5 48	2	6.0	21.8	11.5	7 16	8	2			
47	16.8	5.8	29 7	6	2	17.8	6.8	0 29	23.2	5	18.7	7.8	1 52	9	7	19.7	8.8	3 17	26.5	5.0	6	9.7	4 43	2	2	5 10.8	6 12	29.8	4	
48	5	1 27 58	21.4	4	5	1 29 19	1	7	4	1 0 42	8	9	3	1 2 7	5	2	3	0 3 34	1	4	2	1 5 3	8	6						
49	2	4.4	26 43	3	6	2 5.4	28 5	0	9	1 6.4	29 28	7	4.1	0 7.4	0 53	4	4	19.9	8.3	2 20	28.1	6	20.9	9.4	3 49	8	8			
50	15.9	3.7	25 24	2	8	16.8	4.7	26 46	22.9	3.1	17.7	5.6	28 9	6	4	18.7	6.6	29 34	4	6	6	7.6	1 0	1	9	5 8.7	2 29	8	8.1	
51	5	2.9	24 0	0	2.1	5	3.9	25 21	8	3	4	4.8	26 44	24.5	6	3	5.8	28 8	26.3	9	2	6.8	29 35	0	7.2	2 7.9	1 4	8	4	
52	2	1 22 30	20.8	3	1	1 23 50	7	6	0	0 25 13	4	8	17.9	0 26 37	2	6.1	18.8	0 28 4	0	5	19.8	0 29 33	29.8	7						
53	14.8	1.2	20 53	6	5	15.7	2.2	22 13	5	8	16.6	3.1	23 35	3	5.1	5	4.1	24 59	1	4	4	5.1	26 25	27.9	8	4	6.1	27 54	8	9.0
54	4	0.2	19 10	4	8	3	1.2	20 29	3	4.1	2	2.2	21 51	2	4	1	3.1	23 14	0	7	0	4.1	24 39	9	8.1	18.9	5.1	26 7	8	3
55	0	29.2	17 20	1	3.1	14.9	0.1	18 38	1	4	15.8	1.1	19 58	0	7	16.7	2.1	21 20	25.9	7.0	17.6	3.1	22 44	9	3	5	4.1	24 11	8	6
56	13.5	28.2	15 22	19.8	4	4	29.0	16 38	21.9	7	3	0.0	17 56	23.8	6.0	2	1.0	19 17	8	4	1	2.0	20 40	8	7	0	3.0	22 6	8	9

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

46		UPPER MERIDIAN, CUSP OF 10th H.																																	
H. M. S. SID. T. 15 59 37 } ↑ ARC 239° 54'.2 } 2°						H. M. S. 16 3 48 } ↑ 3° 240° 57'.1 } 3°						H. M. S. 16 8 0 } ↑ 4° 242° 0'.1 } 4°						H. M. S. 16 12 18 } ↑ 5° 243° 3'.3 } 5°						H. M. S. 16 16 27 } ↑ 6° 244° 6'.7 } 6°						H. M. S. 16 20 41 } ↑ 7° 245° 10'.2 } 7°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	↑	↗	☾	☾	☾	↑	↗	☾	☾	☾	↑	↗	☾	☾	☾	↑	↗	☾	☾	☾	↑	↗	☾	☾	☾	↑	↗	☾	☾	☾					
22	26.8	22.0	21 36	29.9	3.9	27.8	23.0	22 51	1.2	5.1	28.8	24.0	24 7	2.5	6.2	29.7	25.1	25 24	3.7	7.3	0.7	26.2	26 41	5.0	8.5	1.7	27.2	27 59	6.3	9.6					
23	7 21.7	21 15	9 4.0	6 22.7	22 30	2 2	6 23.7	23 47	5 3	6 24.8	25 4	8 4	5 25.8	26 22	1 6	5 26.9	27 40	4 7																	
24	5 4 20	52 9	1 5	4 22 8	2 3	4 4 23	25 5	4 4	5 24	43 8	5 4	5 26	2 1	7 3	6 27	21 4	8																		
25	3 1 20	29 9	2 3	1 21 46	2 4	3 1 23	3 5	5 2	1 24	22 8	6 2	2 25	41 1	8 2	3 27	0 5	9																		
26	2 20.8	20 5	9 3	1 21.8	21 23	2 5	1 22.8	22 41	5 6.6	1 23.8	24 0	3.8	8 0	24.9	25 19	2 9	0 26	40 6.5	10.1																
27	0 5 19	41 29.9	4 0	5 20 59	1.2	5.6	27.9	4 22	17 2.5	7 28.9	5 23	37 9	9 29.9	6 24	57 5.2	9.0	0.8	25.6	26 18	6 2															
28	25.8	1 19	15 9	4.5	26.8	1 20	34 2	7 8	1 21	53 6	9 7	1 23	13 9	8.0	7 2	24	34 2	2 7	3 25	56 6	3														
29	7 19.7	18 49	9 7	6 20.7	20 8	2 8	6 21.7	21 28	6 7.0	6 22.8	22 48	9 1	5 23.9	24 10	3 3	5 25	32 7	4																	
30	5 3 18	21 9	8 4	3 19 41	2 9	4 4 21	2 6	1 4	4 22	23 4.0	3 3	5 23	45 3	4 3	24.6	25 8	6.7	10.6																	
31	3 18.9	17 53	9 9	3 19.9	19 13	2 6.1	2 0	20 34	6 2	2 1	21 56	0 4	2 2	23 19	4 9.6	1 2	24	43 8	7																
32	1 5 17	23 29.9	5.0	1 5 18	44 1.3	2 0	20.6	20 6	2.7	4 0	21.7	21 29	0 8.5	0 22.8	22 52	5.4	7 29.9	23.9	24 17	8 9															
33	24.9	1 16	52 9	2 25.9	1 18	14 3	3 26.8	2 19	36 7	7.5	27.8	3 20	59 1	6 28.8	4 22	24 5	8 7	5 23	49 9	11.0															
34	7 17.7	16 20	9 3	7 18.7	17 42	3 5	6 19.8	19 5	7 6	6 20.9	20 29	1 8	6 0	21 54	5 10.0	5 1	23	20 7.0	2																
35	5 3 15	46 9	4 5	3 17 9	3 6.6	4 4 18	32 7	7 4	5 19	57 4.2	9 4	4 21.6	21 23	6 1	3 22.7	22 50	0 3																		
36	3 16.9	15 11	9 5.5	3 17.9	16 34	3 7	2 0	17 58	2.7	8 2	1	19 24	2 9.1	2 1	20 50	6 3	1 2	22	18 1	5															
37	1 4 14	33 29.9	6 1	5 15 57	1.3	8 0	18.5	17 22	8 8.0	0 19.6	18 49	2 2	27.9	20.7	20 16	5.7	4 28.9	21.8	21 45	2 6															
38	23.9	15.9	13 55	9 8	24.9	0 15	19 3	7.0	25.8	1 16	45 8	1 26.8	1 18	12 3	4 7	2 19	40 8	10.6	7 3	21 10	7.3	8													
39	7 5 13	14 9	9 9	6 16.5	14 39	3 1	6 17.6	16 5	8 3	5 18.7	17 33	3 5	5 19.7	19 2	8 8	5 20.8	20 33	3 12.0																	
40	4 0 12	31 9	6.1	4 0 13	57 4	3 3	1 15	24 2.9	5 3	2 16	53 4.4	7 3	2 18	22 9	9 2	3 19	54 4	1																	
41	2 14.4	11 45	9 3	1 15.5	13 12	4 5	1 16.6	14 40	9 7	1 17.6	16 9	4 9	0 18.7	17 40	6.0	11.0	0 19.8	19 12	5 3																
42	22.9	13.9	10 58	29.9	4 23.9	14.9	12 25	1.4	6 24.9	0 13	54 9	9 25.8	1 15	24 5	10.1	26.7	2 16	56 0	2 27.7	3 18	28 7.6	5													
43	6 3 10	6 8	6 6	3 11	35 4	8 6	15.4	13 4	3.0	9.1	5 16.5	14 35	5 3	5 17.6	16 8	1 4	4 18.7	17 42	7 6																
44	4 12.7	9 14	8 8	3 13.7	10 42	4 8.0	3 14.8	12 12	0 2	2 15.9	13 44	6 5	2 0	15 17	2 6	2 1	16	52 8	8																
45	1 1 8	17 8	7.0	0 1	9 46 4	2 0	2 11	17 1	4 24.9	3 12	49 4.7	7 25.9	16.4	14 23	6.3	9 26.9	17.5	15 59	9 13.0																
46	21.8	11.5	7 16	8 2	22.7	12.5	8 46	5 5	23.7	13.6	10 17	1 6	6 14.7	11 50	8 9	6 15.8	13 25	4 12.1	6 16.8	15 2	8.1	2													
47	5 10.8	6 12	29.8	4 4	11.8	7 42	1.5	7 4	12.9	9 14	2 8	3 0	10 48	8 11.1	3 1	12 23	5 3	3 2	14 1	2 4															
48	2 1 5	3 8	6 1	1 6	33 5	9 1	2 8	6 3.2	10.0	0 13.3	9 40	9 4	0 14.4	11 17	6 5	25.9	15.5	12 56	3 7																
49	20.9	9.4	3 49	8 8	21.8	10.4	5 20	5 9.1	22.8	11.5	6 53	3 3	23.7	12.6	8 28	5.0	6 24.6	13.7	10 5	6.7	8 6	14.7	11 45	5 14.0											
50	5 8.7	2 29	8 8.1	5 9.7	4 1	6 4	4 10.7	5 34	3 6	4 11.8	7 10	1 9	3 12.9	8 48	8 13.1	3 0	10 28	8.6	3																
51	2 7.9	1 4	8 4	1 8.9	2 36	6 7	1 9.9	4 9	4 9	0 0	5 45	2 12.2	23.9	1 7	24 9	4 24.9	13.2	9 5	7 6																
52	19.8	0 29	33 29.8	7 20.7	1 1 4	1.7	10.0	21.7	1 2	38 3.5	11.2	22.6	10.1	4 14	3 5	5 11.2	5 53	7.1	7 5	12.3	7 35	9 9													
53	4 6.1	27 54	8 9.0	3 7.2	29 25	7 3	2 8.2	0 59	6 5	2 9.2	2 35	5.4	8 1	10.3	4 14	3 14.1	1 11.3	5 57	9.1	15.2															
54	18.9	5.1	26 7	8 3	19.9	6.2	27 38	8 6	20.8	7.2	29 11	7 8	21.7	8.2	0 47	6 13.1	22.7	9.3	2 27	5 4	23.6	10.3	4 9	3 6											
55	5 4.1	24 11	8 6	4 5.1	25 41	8 9	3 6.1	27 14	7 12.2	3 7.1	28 50	7 5	2 8.2	0 28	7 8	1 9.3	2 10	6 16.1																	
56	0 3.0	22 6	8 9	18.9	3.9	23 35	8 11.3	19.8	5.0	25 6	8 5	20.8	6.0	26 41	9 9	21.7	7.0	28 19	9 15.2	22.6	8.1	0 0	9 5												

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.

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H. M. S. SID. T. 16 24 55 } ↑ ARC 246° 18'.8 } 8°						H. M. S. 16 29 11 } ↑ 9° 247° 17'.6 } 9°						H. M. S. 16 33 26 } ↑ 10° 248° 21'.6 } 10°						H. M. S. 16 37 42 } ↑ 11° 249° 25'.6 } 11°						H. M. S. 16 41 59 } ↑ 12° 250° 29'.8 } 12°						H. M. S. 16 46 16 } ↑ 13° 251° 34'.1 } 13°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎					
22	2.6	28.3	29 18	7.6	10.7	3.6	29.4	0 37	8.9	11.9	4.6	0.5	1 57	10.3	13.0	5.6	1.6	3 17	11.6	14.1	6.6	2.7	4 38	12.9	15.2	7.6	3.8	5 59	14.2	16.4					
23	5	0 28 59	7	8	5	1 0 19	9.0	12.0	4	2 1 40	3	1	4	3 3 1	6	2	4	4 4 22	13.0	4	4	5 5 44	3	5	2	2 5 29	4	6							
24	3	27.7	28 40	7	11.0	3 28.8	0 1	1	1	3 29.9	1 22	4	2	3	0 2 44	7	4	3	1 4 6	1	5	2	2 5 29	4	6										
25	2	4 28 21	8	1	1	5 29 42	1	2	1	6 1 4	5	4	1	0.7	2 26	8	5	1	1.8	3 49	1	6	1	2.9	5 13	5	8								
26	0	1 28 1	8	2	0	2 29 23	2	3	3.9	3 0 45	5	13.5	4.9	4	2 8	9	14.6	5.9	5	3 32	2	7	6.9	6	4 56	14.6	9								
27	1.8	26.7	27 40	9	3	2.8	27.8	29 2	3	12.5	8	28.9	0 26	10.6	6	8	0	1 50	12.0	7	7	1 3 14	3	9	7	3	4 39	7	17.0						
28	6	4 27 18	8.0	11.5	6	5 28 41	9.3	6	6	6 0 5	7	7	6 29.7	1 30	1	9	6	0.8	2 56	13.4	16.0	6	0	4 22	8	2									
29	5	0 26 56	0	6	4	1 28 20	4	7	4	3 29 44	8	9	4	4 1 10	2	15.0	4	5	2 36	5	2	4	1.6	4 3	9	3									
30	3	25.7	26 32	1	7	3 26.8	27 57	5	9	2 27.9	29 22	9	14.0	2	0 0 49	3	2	2	2 2 16	7	3	2	3	3 44	15.1	5									
31	1	3 26 8	2	9	1	4 27 33	6	13.0	1	5 29 0	11.0	2	0	28.7	0 27	4	3	0 29.8	1 55	8	5	0	0.9	3 24	2	17.6									
32	0.9	0 25 42	2	12.0	1.9	1 27 8	9.6	2	2.9	2 28 36	1	3	3.8	3 0 4	12.5	5	4.8	5	1 33	9	16.6	5.8	6	3 3	3	8									
33	7	24.6	25 15	8.3	2	7 25.7	26 42	7	3	7 26.8	28 11	2	5	6 27.9	29 40	6	15.6	6	1	1 10	14.0	8	6	2 2 40	4	9									
34	5	2 24 47	4	3	5	3 26 15	8	5	5	4 27 44	3	6	4	5 29 14	7	8	4	28.7	0 45	1	9	4 29.8	2	17	15.6	18.0									
35	3	23.8	24 18	5	5	3 24.9	25 47	9	13.6	3	0 27 17	4	8	2	1 28 48	8	9	2	3 0 20	3	17.1	2	4	1 53	7	1									
36	1	3 23 47	6	6	1	4 25 17	10.0	8	1	25.6	26 48	11.5	15.0	0	26.7	28 20	9	16.0	0 27.8	29 53	4	3	0	0 1 27	9	3									
37	29.9	22.9	23 15	8.6	8	0.8	0 24 45	1	9	1.8	1 26 17	6	1	2.8	3 27 51	13.1	2	3.8	4 29 25	14.6	5	4.8	28.5	1	0 16.0	5									
38	7	4 22 40	7	13.0	6	23.5	24 12	2	14.0	6	24.7	25 45	7	2	6 25.8	27 20	2	4	6 26.9	28 55	7	6	6	1 0 32	2	7									
39	4	21.9	22 4	8	1	4	0 23 37	3	2	4	2 25 11	8	4	4	3 26 47	4	6	3	5 28 23	9	8	3	27.6	0 1	4	9									
40	2	4 21 26	9	3	2	22.5	23 0	4	4	1	23.7	24 35	12.0	6	1 24.8	26 12	5	8	1	0 27 50	15.0	18.0	1	1 29 29	5	19.1									
41	28.9	20.9	20 46	9.0	5	29.9	0 22 21	10.5	6	0.9	2 23 57	1	8	1.9	3 25 35	7	17.0	2.9	25.5	27 14	2	2	3.8	26.6	28 54	7	3								
42	7	4 20 3	2	7	7	21.5	21 39	6	8	6	22.6	23 17	3	16.0	6	23.8	24 56	9	2	6	24.9	26 36	4	4	6	1 28 18	9	5							
43	4	19.8	19 17	3	9	4	20.9	20 55	7	15.0	4	0 22 33	5	2	3	2 24 14	14.1	4	3	3 25 55	6	6	3	25.5	27 39	17.1	8								
44	1	2 18 29	4	14.1	1	3 20 7	9	2	1	21.4	21 47	12.6	5	1	22.6	23 29	3	7	0 23.7	25 12	8	9	0	24.9	26 57	3	20.0								
45	27.8	18.6	17 36	9.6	3	28.8	19.7	19 16	11.1	4	29.8	20.8	20 57	7	7	0.8	0 22 40	5	9	1.7	1 24 25	16.0	19.1	2.7	3 26 12	6	3								
46	5	17.9	16 41	7	6	5	0 18 22	3	7	5	2 20 4	9	9	5	21.3	21 48	7	18.1	4	22.5	23 35	2	3	4	23.6	25 23	8	6							
47	2	3 15 41	8	8	2	18.4	17 23	5	9	2	19.5	19 7	13.1	17.1	2	20.6	20 52	9	3	1	21.8	22 41	4	6	1	0 24 31	18.1	8							
48	26.9	16.6	14 36	9	15.0	27.9	17.7	16 19	7	16.2	28.9	18.8	18 5	3	4	29.8	19.9	19 52	15.1	6	0.8	1 21 42	7	9	1.8	22.3	23 34	4	21.1						
49	6	15.8	13 27	10.1	3	5	16.9	15 11	9	5	5	1 16 58	5	7	5	2 18 46	3	9	5	20.4	20 38	17.0	20.2	5	21.5	22 32	7	4							
50	2	1 12 11	3	6	2	2 13 56	12.1	8	1	17.3	15 44	8	18.0	1	18.4	17 35	6	19.2	1	19.6	19 28	3	5	1	20.8	21 24	19.0	7							
51	25.8	14.3	10 49	5	9	26.8	15.4	12 35	3	17.2	27.8	16.5	14 24	14.1	3	28.7	17.6	16 16	9	5	29.7	18.8	18 11	6	8	0.7	19.9	20 9	4	22.0					
52	4	13.4	9 19	7	16.2	4	14.5	11 7	6	5	4	15.6	12 57	4	6	3	16.7	14 50	16.2	9	3	17.9	16 47	18.0	21.1	3	0 18 46	8	4						
53	0	12.4	7 42	9	6	0	13.5	9 30	9	8	0	14.7	11 21	7	19.0	27.9	15.8	13 15	5	20.3	28.9	16.9	15 14	4	5	29.9	18.1	17 15	20.2	7					
54	24.6	11.4	5 54	11.2	9	25.5	12.5	7 43	13.2	18.2	26.5	13.6	9 35	15.0	4	4	14.8	11 31	9	7	4	15.9	13 31	8	9	4	17.1	15 34	7	23.1					
55	1	10.3	3 56	5	17.3	0	11.4	5 45	5	6	0	12.5	7 38	4	8	26.9	13.7	9 35	17.3	21.1	27.9	14.8	11 36	19.3	22.3	28.9	16.0	13 41	21.2	6					
56	23.6	9.1	1 45	8	7	24.5	10.2	3 34	9	19.0	25.5	11.3	5 27	8	20.2	4	12.5	7 25	8	5	4	13.6	9 27	8	7	3	14.8	11 33	8	24.0					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

48																									UPPER MERIDIAN, CUSP OF 10th H.																								
H. M. S. SID. T. 16 46 16 } ∇ ARC 251° 34'.1 } 13°					H. M. S. 16 50 34 } ∇ 14°					H. M. S. 16 54 52 } ∇ 15°					H. M. S. 16 59 11 } ∇ 16°					H. M. S. 17 3 30 } ∇ 17°					H. M. S. 17 7 49 } ∇ 18°																								
H.	11	12	1	2	3	H.	11	12	1	2	3	H.	11	12	1	2	3	H.	11	12	1	2	3	H.	11	12	1	2	3																				
Lat.	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''																			
22	7.6	3.8	5 59	14.2	16.4	8.6	4.9	7 21	15.5	17.5	9.6	6.1	8 43	16.8	18.6	10.6	7.2	10 6	18.1	19.7	11.6	8.3	11 29	19.4	20.8	12.6	9.5	12 53	20.7	21.9																			
23	4	5	5 44	3	5	4	6	7 7	6	6	4	5.8	8 30	9	7	4	6.9	9 53	2	9	4	1 11	17	5 21	0	4	2 12	42	9	22.1																			
24	2	2	5 29	4	6	2	3	6 52	7	8	2	5	8 16	17.0	9	3	6	9 40	4	20.0	3	7.8	11 5	7	1	3	8.9	12 31	21.0	2																			
25	1	2.9	5 13	5	8	1	0	6 37	8	9	1	2	8 2	2 19.0	1	3	9 27	5	1	1	5	10 53	8	2	1	6	12 19	1	4																				
26	6.9	6	4 56	14.6	9	7.9	3.7	6 21	9	18.0	8.9	4.9	7 47	3	1	9.9	0	9 13	18.6	3	10.9	2 10	40	20.0	4	0	3 12	7	3	5																			
27	7	3	4 39	7	17.0	7	4	6 5	16.0	2	7	6	7 31	4	3	8	5.7	8 59	8	4	8	6.9	10 26	1	21.5	11.8	0	11 54	4	22.6																			
28	6	0	4 22	8	2	6	1	5 48	2	3	6	2	7 15	17.5	4	6	4	8 44	9	20.5	6	6	10 12	3	7	6	7.7	11 41	6	8																			
29	4	1.6	4 3	9	3	4	2.8	5 31	3	4	4	3.9	6 59	7	19.6	4	1	8 28	19.0	7	4	3	9 57	4	8	4	4	11 27	8	9																			
30	2	3	3 44	15.1	5	2	4	5 12	4	18.6	2	6	6 42	8	7	2	4.7	8 11	2	9	2	5.9	9 42	20.6	22.0	3	1	11 13	22.0	23.1																			
31	0	0.9	3 24	2	17.6	0	1	4 53	16.6	7	0	3	6 23	18.0	9	0	4	7 54	4	21.0	0	6	9 26	8	1	1	6.8	10 58	1	3																			
32	5.8	6	3 3	3	8	6.8	1.7	4 33	7	9	7.8	2.9	6 4	1	20.0	8.8	1	7 36	5	2	9.8	2	9 9	9	3	10.9	4	10 43	3	4																			
33	6	2	2 40	4	9	6	4	4 12	9	19.0	6	5	5 45	3	2	6	3.7	7 18	7	3	6	4.9	8 52	21.1	5	7	1	10 26	5	6																			
34	4	29.8	2 17	15.6	18.0	4	0	3 50	17.0	2	4	1	5 24	4	4	4	3	6 58	9	5	4	5	8 33	3	6	5	5.7	10 9	7	7																			
35	2	4	1 53	7	1	2	0.6	3 27	2	4	2	1.7	5 2	6	5	2	2.9	6 37	20.0	7	2	1	8 13	5	8	3	3	9 51	9	9																			
36	0	0	1 27	9	3	0	1	3 2	4	6	0	3	4 38	8	7	0	5	6 15	2	9	0	3.7	7 53	7	23.0	1	4.9	9 32	23.1	24.1																			
37	4.8	28.5	1 0	16.0	5	5.8	29.7	2 37	5	7	6.8	0.9	4 14	19.0	9	7.8	1	5 52	4	22.1	8.8	2	7 31	9	2	9.8	5	9 11	3	3																			
38	6	1	0 32	2	7	6	3	2 9	7	9	6	4	3 48	2	21.1	6	1.6	5 27	6	2	6	2.8	7 8	22.1	4	6	0	8 50	6	5																			
39	3	27.6	0 1	4	9	3	28.8	1 40	9	20.1	3	0	3 20	4	3	3	2	5 1	8	4	4	3	6 44	3	6	4	3.6	8 27	8	7																			
40	1	1 29	29	5	19.1	1	3	1 9	18.0	3	1 29.5	2 51	5	5	1	0.7	4 34	21.0	6	1	1.9	6 18	5	8	2	1	8 3	24.0	9																				
41	3.8	26.6	28 54	7	3	4.8	27.8	0 36	2	5	5.8	0	2 19	7	7	6.9	2	4 4	2	8	7.9	4	5 50	8	24.0	8.9	2.6	7 36	3	25.1																			
42	6	1	28 18	9	5	6	3	0 1	5	7	6	28.4	1 46	9	9	6	29.6	3 32	5	23.0	6	0.9	5 20	23.1	2	6	1	7 8	6	3																			
43	3	25.5	27 39	17.1	8	3	26.7	29 24	7	9	3	27.9	1 10	20.2	22.1	3	1	2 58	8	3	3	3	4 48	4	4	4	1.5	6 38	9	6																			
44	0	24.9	26 57	3	20.0	0	1	28 44	9	21.2	0	3	0 32	5	4	0	28.5	2 22	22.1	5	1 29.7	4 13	7	7	1	0.9	6 6	25.2	8																				
45	2.7	3	26 12	6	3	3.7	25.5	28 0	19.2	5	4.7	26.7	29 50	8	6	5.7	27.9	1 42	4	8	6.8	1	3 36	24.0	25.0	7.8	3	5 31	5	26.1																			
46	4	23.6	25 23	8	6	4	24.8	27 14	4	7	4	0	29 6	21.1	9	4	2	1 0	7	24.1	5	28.5	2 55	3	2	5	29.7	4 53	8	4																			
47	1	0	24 31	18.1	8	1	1	26 23	7	22.0	1	25.3	28 17	4	23.2	1	26.6	0 13	23.0	4	1	27.8	2 12	6	5	1	0	4 12	26.2	7																			
48	1.8	22.3	23 34	4	21.1	2.8	23.4	25 28	20.0	3	3.8	24.6	27 25	7	5	4.8	25.9	29 23	3	7	5.8	1	1 24	25.0	8	6.8	28.3	3 27	6	27.0																			
49	5	21.5	22 32	7	4	4	22.7	24 28	3	6	4	23.9	26 27	22.0	8	4	2	28 28	7	25.0	4	26.4	0 32	4	26.1	5	27.6	2 37	27.0	3																			
50	1	20.8	21 24	19.0	7	1	21.9	23 22	7	9	1	1	25 23	4	24.1	1	24.4	27 27	24.1	3	1	25.6	29 34	8	4	1	26.8	1 42	5	6																			
51	0.7	19.9	20 9	4	22.0	1.7	1	22 10	21.1	23.2	2.7	22.3	24 13	8	4	3.7	23.5	26 20	5	7	4.7	24.8	28 29	26.3	8	5.7	0	0 42	28.0	9																			
52	3	0	18 46	8	4	3	20.2	20 50	5	6	3	21.4	22 56	23.2	8	3	22.6	25 5	25.0	26.0	3	23.9	27 18	8	27.2	3	25.1	29 34	5	28.3																			
53	29.9	18.1	17 15	20.2	7	0.9	19.2	19 21	22.0	24.0	1.9	20.4	21 30	7	25.2	2.9	21.7	23 42	5	3	3.9	22.9	25 58	27.4	6	4.9	24.2	28 18	29.1	7																			
54	4	17.1	15 34	7	23.1	4	18.2	17 41	5	4	4	19.4	19 53	24.3	6	4	20.6	22 9	26.1	7	4	21.8	24 28	28.0	28.0	4	23.2	26 52	8	29.1																			
55	28.9	16.0	13 41	21.2	6	29.9	17.1	15 50	23.1	8	0.9	18.3	18 4	9	26.0	1.9	19.5	20 23	8	27.2	2.9	20.8	22 46	7	4	3.9	22.0	25 14	0.5	6																			
56	3	14.8	11 33	8	24.0	3	15.9	13 45	7	25.2	3	17.0	16 1	25.6	5	3	18.2	18 22	27.6	8	3	19.6	20 50	29.5	9	3	20.8	23 22	1.3	0.2																			

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												49							
H. M. S. SID. T. 17 12 9 } ♀ ARC 258° 2'.2 } 19°						H. M. S. 17 16 29 } ♀ 20° 259° 7'.2 } 20°						H. M. S. 17 20 49 } ♀ 21° 260° 12'.3 } 21°						H. M. S. 17 25 10 } ♀ 22° 261° 17'.4 } 22°						H. M. S. 17 29 30 } ♀ 23° 262° 22'.6 } 23°						H. M. S. 17 33 51 } ♀ 24° 263° 27'.8 } 24°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎					
22	13.6	10.7	14 17	22.0	23.0	14.6	11.8	15 42	23.3	24.1	15.6	13.0	17 6	24.6	25.2	16.7	14.2	18 32	25.9	26.3	17.7	15.4	19 57	27.2	27.4	18.8	16.6	21 23	28.5	28.5					
23	5	4	14 7	2	2	5	6	15 32	5	3	5	12.7	16 58	8	4	5	13.9	18 24	26.1	5	5	1	19 51	4	6	6	3	21 17	7	6					
24	3	1	13 57	3	3	3	3	15 23	6	4	3	5	16 50	9	5	4	7	18 17	2	6	4	14.9	19 44	6	7	4	1	21 11	9	8					
25	1	9	8 13 46	5	5	2	0	15 13	8	6	2	2	16 41	25.1	7	2	4	18 9	4	8	2	6	19 37	7	9	3	15.8	21 5	29.1	9					
26	0	5	13 35	6	23.6	0	10.7	15 3	24.0	7	0	11.9	16 31	3	8	0	1	18 0	6	9	1	3	19 30	9	28.0	1	5	20 59	3	29.1					
27	12.8	2	13 23	8	8	13.8	4	14 52	1	9	14.8	6	16 22	5	26.0	15.9	12.8	17 52	8	27.1	16.9	0	19 22	28.1	2	17.9	3	20 53	5	3					
28	6	8	9 13 11	23.0	9	6	1	14 41	3	25.0	7	3	16 12	6	1	7	5	17 43	27.0	2	7	13.7	19 14	3	3	8	0	20 46	7	4					
29	4	6	12 58	1	24.0	5	9	8 14 30	5	2	5	0	16 1	8	3	5	2	17 33	2	4	6	5	19 6	5	5	6	14.7	20 39	9	6					
30	3	3	12 45	3	2	3	5	14 17	7	3	3	10.7	15 50	26.0	4	3	11.9	17 24	4	5	4	2	18 57	8	6	4	4	20 31	0.1	7					
31	1	0	12 31	5	4	1	2	14 5	9	5	1	4	15 39	2	6	2	6	17 13	6	7	2	12.9	18 48	29.0	8	2	1	20 24	3	9					
32	11.9	7	6 12 17	7	5	12.9	8	9 13 51	25.1	7	13.9	1	15 27	4	8	0	3	17 3	8	9	0	5	18 39	2	29.0	1	13.8	20 16	5	0.1					
33	7	3	12 2	9	7	7	5	13 37	3	8	7	9	7 15 14	7	27.0	14.8	0	16 51	28.0	28.1	15.8	2	18 29	4	2	16.9	4	20 7	8	3					
34	5	6	9 11 46	24.1	9	5	1	13 23	5	26.0	5	3	15 1	9	1	6	10	6 16 39	3	3	6	11.8	18 18	6	4	7	1	19 58	1.0	5					
35	3	5	11 29	3	25.1	3	7	7 13 7	7	2	3	0	14 47	27.1	3	4	2	16 27	5	4	4	4	18 7	9	6	5	12.7	19 48	3	7					
36	1	1	11 11	5	3	1	3	12 51	26.0	4	1	8	6 14 32	4	5	2	9	8 16 14	8	6	2	1	17 56	0.2	8	3	3	19 38	6	9					
37	10.8	5	7 10 52	8	5	11.9	6	9 12 34	2	6	12.9	2	14 16	6	7	13.9	4	15 59	29.1	8	0	10	7 17 43	5	11	0	11	9 19 27	9	1.1					
38	6	2	10 32	25.0	7	7	5	12 15	5	8	7	7	7 14 0	9	9	7	0	15 44	4	29.0	14.8	3	17 30	8	0.2	15.8	5	19 16	2.2	3					
39	4	4	8 10 11	3	9	4	0	11 56	8	27.0	5	3	13 42	28.2	28.1	5	8	6 15 28	7	3	5	9	8 17 16	1.1	4	6	1	19 4	5	5					
40	2	3	9 48	5	26.1	2	5	6 11 35	27.0	2	2	6	8 13 23	5	3	2	1	15 11	8	5	3	4	17 1	4	6	3	10	7 18 51	8	7					
41	9	9	3	8	9	24	8	3	10	9	1	11	13	3	4	0	3	13 3	9	5	0	7	6 14 53	0.3	7	0	8	9 16 45	8	8					
42	6	3	8 58	26.1	5	7	4	6 10 49	6	6	11	7	5	8 12 41	29.2	7	12	7	1	14 34	7	11	3	4	16 28	2.2	1.1	14	8	9	7				
43	4	2	8 30	4	7	4	0	10 23	9	9	4	3	12 18	6	29.0	5	6	6 14 13	1.1	0.2	5	7	9 16 9	6	4	6	2	18 6	4	0					
44	1	2	8 0	7	27.0	1	3	5 9 55	28.3	28.1	1	4	7 11 52	8	3	2	0	13 50	5	4	2	3	15 49	3	0	6	3	8	6 17 49	5	7				
45	8	8	1	6	7	27	27.1	2	9	8	2	9	9 26	7	4	10	8	1	11 25	0.4	6	11	9	5	13 26	9	7	12	9	6	7				
46	5	0	6 52	5	5	5	2	8 53	29.1	7	5	3	5 10 55	7	9	6	4	8 12 59	2	3	1	0	6	1	15 4	8	2	2	13	7	4				
47	2	0	3 6 14	9	8	2	1	6 8 17	5	29.0	2	2	8 10 23	1	1	0	2	3	1	12 29	7	3	3	5	5 14 38	4	2	4	3	6	8				
48	7	8	29	6	5	32	28.3	28.2	8	9	0	9	7 38	9	3	9	9	1	9 47	5	5	10	9	3	4	11 57	3	1	6	0	4	8			
49	5	28	9	4	45	7	5	5 1 6 55	0.3	6	5	1	4 9 8	2	0	8	6	2	7 11 22	6	2	0	11	6	1	13 37	5	2	3	1	12	7			
50	1	1	3 54	29	2	8	1	29	4	6	8	8	2	0	7	8	2	0	10 42	4	1	3	2	3	4	13 2	7	4	3	4	7	15			
51	6	7	27	3	2	57	7	28	6	5	15	1	3	0	4	8	8	29	9	7	35	3	1	5	9	8	1	2	6	12	23				
52	3	26	4	1	53	0	3	4	27	7	4	15	9	8	4	0	6	41	7	9	4	0	3	9	9	5	3	1	5	1	7				
53	5	9	25	4	0	42	9	9	6	9	26	3	8	2	6	1	2	8	1	5	39	4	4	2	3	0	29	4	8	13	6	0			
54	4	24	4	29	20	1	6	4	25	8	1	52	3	6	4	27	1	4	28	5	1	8	8	5	28	3	7	8	9	9	5	29			
55	4	9	23	3	27	47	2	3	8	5	9	24	0	25	4	1	2	0	6	9	25	9	3	7	9	3	3	0	27	2	5	54			
56	3	22	0	26	0	3	1	3	23	3	28	44	5	0	5	4	24	6	8	9	7	4	26	0	4	27	8	9	8	4	27	7	26		

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

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H. M. S. SID. T. 17 33 51 } ♀ ARC 263° 27'.8 } 24°					H. M. S. 17 38 13 } ♀ 25° 264° 33'.1 }					H. M. S. 17 42 34 } ♀ 26° 265° 38'.5 }					H. M. S. 17 46 55 } ♀ 27° 266° 43'.8 }					H. M. S. 17 51 17 } ♀ 28° 267° 49'.2 }					H. M. S. 17 55 38 } ♀ 29° 268° 54'.6 }																								
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																			
Lat.	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎																			
22	18.8	16.6	21 23	28.5	28.5	19.8	17.8	22 49	29.8	29.6	20.8	19.0	24 15	1.0	0.7	21.9	20.2	25 41	2.3	1.7	22.9	21.5	27 7	3.6	2.8	24.0	22.7	28 33	4.8	3.9																			
23	6	3 21	17	7	6	6	5 22	44	9	7	7 18.8	24 11	2	8	7	0 25	38	5	9	8	2 27	5	8	3.0	23.8	5 28	33	5.0	4.0																				
24	4	1 21	11	9	8	5	3 22	39	0.1	9	5	5 24	7	4	1.0	6 19.8	25 35	7	2.0	6	0 27	3	4.0	1	7	2 28	32	2	2																				
25	3	15.8	21 5	29.1	9	3	0 22	34	3	Π	4	3 24	3	6	1	4	5 25	32	9	2	5 20.7	27 1	2	3	5	0 28	31	5	3																				
26	1	5 20	59	3 29.1	2	16.8	22 29	5	0.2	2	0 23	59	8	3	3	3 25	29	3.1	3	22.3	5 26	59	4	4	4	21.8	28 29	7	5																				
27	17.9	3 20	53	5	3	0	5 22	24	7	3	0 17.8	23 55	2.1	4	1	0 25	26	4	5	2	2 26	57	6	3.6	2	5 28	28	9	7																				
28	8	0 20	46	7	4	18.8	2 22	18	1.0	5	1 19.9	5 23	50	3	1.6	20.9	18.7	25 22	6	7	0	0 26	55	9	7	0	3 28	27	6.2	8																			
29	6	14.7	20 39	9	6	7	15.9	22 12	2	7	7	2 23	45	5	7	8	5 25	19	8	8	21.8	19.7	26 52	5.1	9	22.9	0 28	26	4	5.0																			
30	4	4 20	31	0.1	7	5	6 22	6	4	8	5	16.9	23 40	7	9	6	2 25	15	4.1	3.0	6	4 26	50	4	4.1	7	20.7	28 25	7	1																			
31	2	1 20	24	3	9	3	3 21	59	6	1.0	3	6 23	35	3.0	2.1	4	17.9	25 11	3	2	5	2 26	47	6	3	5	5 28	23	9	3																			
32	1	13.8	20 16	5	Π 0.1	1	0 21	52	9	2	2	3 23	29	2	3	2	6 25	7	5	3	3	18.9	26 44	9	4	4	2 28	22	7.2	5																			
33	16.9	4 20	7	8	3	17.9	14.7	21 45	2.1	4	0	0 23	23	5	4	0	3 25	2	8	5	1	6 26	41	6.1	6	2	19.9	28 21	5	7																			
34	7	1 19	58	1.0	5	7	4 21	38	4	5	18.8	15.6	23 17	7	6	19.8	16.9	24 58	5.1	7	20.9	2 26	38	4	8	0	6 28	19	8	9																			
35	5	12.7	19 48	3	7	5	0 21	30	7	7	6	3 23	11	4.0	8	6	6 24	53	4	9	7	17.9	26 35	7	5.0	21.8	2 28	18	8.1	6.1																			
36	3	3 19	38	6	9	3	13.6	21 21	3.0	9	4	14.9	23 4	3	3.0	4	2 24	48	7	4.1	5	5 26	32	7.1	2	6	18.9	28 16	4	3																			
37	0	11.9	19 27	9	1.1	1	2 21	12	3	2.1	1	5 22	57	7	2	2	15.9	24 43	6.0	3	3	2 26	28	4	4	3	5 28	14	8	5																			
38	15.8	5 19	16	2.2	3	16.9	12.8	21 2	6	4	17.9	1 22	49	5.0	5	0	5 24	37	4	5	1	16.8	26 24	8	6	1	1 28	12	9.1	7																			
39	6	1 19	4	5	5	6	4 20	52	9	6	7	13.7	22 41	4	7	18.8	1 24	31	7	8	19.8	4 26	20	8.1	9	20.9	17.7	28 10	5	9																			
40	3	10.7	18 51	8	7	4	0 20	41	4.3	8	4	3 22	33	7	9	5	14.6	24 24	7.1	5.0	6	0 26	16	5	6.1	6	3 28	8	9	7.2																			
41	1	2 18	37	3.2	2.0	1	11.5	20 30	7	3.1	2	12.8	22 23	6.1	4.2	3	2 24	17	5	2	3	15.5	26 11	9	3	4	16.9	28 6	10.3	4																			
42	14.8	9.7	18 22	6	2	15.9	0 20	17	5.1	3	16.9	4 22	13	5	4	0	13.7	24 10	8.0	5	1	1 26	6	9.4	6	2	4 28	3	8	7																			
43	6	2 18	6	4.0	5	6	10.5	20 4	5	6	7	11.9	22 2	7.0	7	17.7	2 24	1	4	8	18.8	14.6	26 1	8	9	19.9	0 28	0	11.2	8.0																			
44	3	8.6	17 49	5	7	3	9.9	19 49	6.0	8	4	3 21	51	4	9	5	12.7	23 52	9	6.0	5	1 25	55	10.3	7.1	6	15.5	27 57	7	2																			
45	0	0 17	30	9	3.0	0	4 19	33	4	4.1	1	10.8	21 38	9	5.2	2	1 23	43	9.4	3	2	13.5	25 48	8	4	3	14.9	27 54	12.2	5																			
46	13.7	7.4	17 9	5.3	3	14.7	8.8	19 16	8	4	15.8	2 21	24	8.3	5	16.9	11.6	23 32	9	6	17.9	12.9	25 41	11.3	7	0	4 27	51	7	8																			
47	3	6.8	16 47	7	6	4	2 18	57	7.3	7	5	9.6	21 9	8	8	5	0 23	21	10.4	9	6	3 25	34	8	8.0	18.7	13.9	27 47	13.2	9.1																			
48	0	1 16	22	6.2	9	1	7.5	18 37	8	5.0	1	8.9	20 52	9.3	6.1	2	10.4	23 8	9	7.2	3	11.7	25 25	12.4	3	3	3 27	42	8	4																			
49	12.7	5.4	15 55	7	4.3	13.7	6.8	18 13	8.3	3	14.8	2 20	33	9	4	15.8	9.7	22 54	11.5	5	16.9	1 25	16	13.0	6	0	12.6	27 38	14.4	7																			
50	3	4.7	15 24	7.3	6	3	1 17	48	9	7	4	7.5	20 12	10.5	8	5	0 22	38	12.1	9	6	10.4	25 5	6	9.0	17.6	11.9	27 33	15.1	10.1																			
51	11.9	3.9	14 50	9	5.0	0	5.3	17 19	9.5	6.1	0	6.7	19 49	11.2	7.2	1	8.2	22 21	8	8.3	2	9.6	24 53	14.3	4	2	2 27	27	8	5																			
52	5	0 14	12	8.6	4	12.6	4.4	16 46	10.2	5	13.6	5.9	19 23	9	6	14.7	7.4	22 1	13.5	7	15.8	8.8	24 40	15.1	8	16.8	10.4	27 20	16.6	9																			
53	1	2.1	13 28	9.4	8	1	3.5	16 9	11.0	9	2	0 18	52	12.7	8.0	2	6.5	21 38	14.3	9.1	3	7.9	24 25	9	10.2	4	9.5	27 12	17.5	11.3																			
54	10.6	1.1	12 37	10.2	6.2	11.6	2.5	15 26	9	7.4	12.7	4.0	18 18	13.6	5	13.7	5.5	21 12	15.2	6	14.8	6.9	24 7	16.8	7	15.9	8.5	27 3	18.4	8																			
55	0	0.0	11 38	11.1	7	1	1.4	14 36	12.8	9	2	2.9	17 37	14.5	9.0	2	4.4	20 41	16.1	10.1	3	5.9	23 46	17.8	11.2	4	7.4	26 53	19.4	12.3																			
56	9.5	28.8	10 30	12.1	7.2	10.5	0.2	13 38	13.8	8.5	11.6	1.7	16 49	15.5	6	12.7	3.2	20 4	17.1	7	13.7	4.7	23 21	18.9	8	14.8	6.2	26 40	20.5	9																			

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.

H. M. S. SID. T. 18 0 0 } $\frac{1}{2}$ ARC 270° 0'.0 } 0°						H. M. S. 18 4 22 } $\frac{1}{2}$ 1° 271° 5'.4 } $\frac{1}{2}$ 1°						H. M. S. 18 8 48 } $\frac{1}{2}$ 2° 272° 10'.8 } $\frac{1}{2}$ 2°						H. M. S. 18 13 5 } $\frac{1}{2}$ 3° 273° 16'.2 } $\frac{1}{2}$ 3°						H. M. S. 18 17 26 } $\frac{1}{2}$ 4° 274° 21'.5 } $\frac{1}{2}$ 4°						H. M. S. 18 21 47 } $\frac{1}{2}$ 5° 275° 26'.9 } $\frac{1}{2}$ 5°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$						
22	25.0	23.9	0 0	6.1	5.0	26.1	25.2	1 27	7.3	6.0	27.2	26.4	2 53	8.5	7.1	28.3	27.7	4 19	9.8	8.1	29.3	29.0	5 45	11.0	9.2	0.4	0.2	7 11	12.2	10.2					
23	24.9	7 0 0	3	1	0	0	0	1 27	5	2	0	2 255	8	2	1	5 4 22	10.0	3	2 28.8	5 49	2	3	3	1	7 16	5	4								
24	7	5 0 0	5	3	25.8	24.8	1 28	8	3	26.9	0	2 57	9.0	4	0	3 4 25	2	4	0	6 5 53	5	5	1 29.9	7 21	7	5									
25	6	3 0 0	7	4	7	5	1 29	8.0	5	7 25.8	2 59	3	5	27.8	1	4 28	5	6	28.9	4 5 57	7	6	0	7 2 26	13.0	7									
26	4	0 0 0	7.0	5.6	5	3	1 31	2	6	6	6	3 1	5	7	7 26.9	4 31	7	7	7	2 6 1	12.0	8	29.8	5	7 31	2	8								
27	3	22.8	0 0	2	7	3	1	1 32	5	8	4	4 3 3	8	8	5	6 4 34	11.0	9	6 27.9	6 5	2	10.0	7	3	7 36	5	11.0								
28	1	5 0 0	5	9	2 23.8	1 33	7	7.0	3	1	3 5	10.0	8.0	3	4	4 38	3	9.1	4	7 6 10	5	1	5	0	7 42	8	2								
29	23.9	3 0 0	7	6.1	0	6	1 34	9.0	1	1 24.9	3 8	3	2	2	2 4 41	5	2	3	5 6 15	8	3	3 28.8	7 48	14.1	3										
30	8	0 0 0	8.0	2	24.9	3	1 35	3	3	25.9	6	3 10	6	4	0 25.9	4 45	8	4	1	3 6 20	13.1	5	2	6	7 54	4	5								
31	6	21.8	0 0	2	4	7	1	1 37	5	5	7	4 3 13	8	5	26.8	7 4 49	12.1	6	27.9	0 6 25	4	7	0	4	8 1	7	7								
32	4	5 0 0	5	6	5 22.8	1 38	8	6	6	6	1	3 16	11.1	7	7	5 4 53	4	8	7 26.8	6 31	7	8	28.8	1	8 8	15.0	9								
33	2	2 0 0	8	8	3	5	1 39	10.1	8	4 23.9	3 19	4	9	5	2 4 58	7 10.0	6	5	6 37	14.0	11.0	6	27.9	8 15	3	12.1									
34	0	20.9	0 0	9.1	7.0	1	2 141	4	8.0	2	6	3 22	8	9.1	3 24.9	5 2	13.1	2	4	3 6 43	4	2	5	6	8 22	6	3								
35	22.8	6 0 0	4	2	23.9	21.9	1 42	8	2	0	3	3 25	12.1	3	1	6 5 7	4	4	2	0 6 49	7	4	3	3	8 30	16.0	5								
36	6	2 0 0	8	4	7	6	1 44	11.1	4	24.8	22.9	3 28	5	5	25.9	3 5 12	8	6	0 25.7	6 56	15.1	6	1	0	8 39	4	7								
37	4	19.9	0 0	10.1	6	5	2 146	5	7	6	6	3 32	8	7	7	0 5 17	14.1	8	26.8	3 7 3	5	9	27.9	26.7	8 48	8	9								
38	2	5 0 0	5	8	3	20.9	1 48	9	9	4	2	3 36	13.2	9	5	23.6	5 23	5	11.0	5	0	7 11	9	12.1	6	4	8 58	17.2	13.1						
39	0	1 0 0	9	8.0	1	5	1 50	12.3	9.1	1 21.9	3 40	6	10.2	2	3	5 29	9	2	3 24.6	7 19	16.3	3	4	1	9 8	6	4								
40	21.7	18.7	0 0	11.3	3	22.8	1 152	7	4	23.9	5	3 44	14.0	4	0	22.9	5 36	15.4	5	1	3 7 27	7	6	2 25.7	9 19	18.0	6								
41	5	3 0 0	7	5	6	19.7	1 54	13.1	6	7	1	3 49	5	7	24.8	5 5 43	8	7	25.8	23.9	7 37	17.2	8	26.9	3	9 30	5	9							
42	2	17.8	0 0	12.2	8	3	2 157	6	8	4	20.6	3 54	9	9	5	0 5 50	16.3	12.0	6	5	7 47	6	13.1	7	24.9	9 43	19.0	14.1							
43	0	4 0 0	6	9.0	0	18.8	2 0	14.0	10.1	1	2	3 59	15.4	11.2	2	21.6	5 59	8	3	3	0	7 58	18.1	3	4	5	9 56	5	4						
44	20.7	16.9	0 0	13.1	3	21.8	3 2 3	5	4	22.9	19.7	4 5	9	5	0	1 6 8	17.3	5	1	22.6	8 9	7	6	2	0	10 11	20.1	7							
45	4	3 0 0	7	6	5	17.8	2 6	15.1	7	6	2	4 12	16.5	8	23.7	20.6	6 17	9	8	24.8	1	8 22	19.2	9	25.9	23.6	10 27	6	15.0						
46	1	15.8	0 0	14.2	9	2	3 2 9	6	11.0	3	18.7	4 19	17.1	12.1	4	1	6 28	18.4	13.1	5	21.7	8 36	8	14.2	6	2	10 44	21.2	3						
47	19.8	3 0 0	7	10.2	20.9	16.8	2 13	16.1	3	0	2	4 26	7	4	1	19.6	6 39	19.0	5	2	2	8 51	20.4	5	3	22.7	11 3	8	6						
48	4	14.7	0 0	15.3	6	6	2 2 18	7	7	21.7	17.6	4 35	18.3	7	22.8	1	6 52	6	8	23.9	20.7	9	8 21.1	9	0	2	11 23	22.5	9						
49	1	0 0 0	16.0	9	3	15.6	2 22	17.4	12.0	4	0	4 44	9	13.1	5	18.5	7 6	20.3	14.2	6	1	9 27	8	15.2	24.7	21.7	11 47	23.2	16.3						
50	18.7	13.4	0 0	6	11.3	19.9	14.9	2 27	18.1	4	0	16.4	4 55	19.6	4	1	17.9	7 22	21.0	5	2	19.5	9 48	22.5	6	3	1	12 12	9	7					
51	3	12.7	0 0	17.3	7	5	2 2 33	8	8	20.6	15.7	5 7	20.4	8	21.7	2	7 39	8	9	22.8	18.8	10 11	23.3	16.0	23.9	20.5	12 41	24.7	17.0						
52	17.9	11.9	0 0	18.1	12.1	1	13.4	2 40	19.6	13.2	2	14.9	5 20	21.2	14.2	3	16.5	7 59	22.6	15.3	4	1	10 37	24.1	4	5	19.8	13 14	25.6	4					
53	5	0 0 0	19.0	5	18.7	12.5	2 48	20.5	6	19.8	1	5 35	22.1	7	20.9	15.7	8 22	23.5	8	0	17.3	11	8 25.0	8	1	0	13 51	26.5	9						
54	0	10.0	0 0	20.0	13.0	2	11.6	2 57	21.5	14.1	3	13.2	5 53	23.1	15.2	4	14.8	8 48	24.5	16.3	21.5	16.4	11 42	26.0	17.3	22.6	18.1	14 34	27.5	18.4					
55	16.5	9.0	0 0	21.0	5	17.7	10.6	3 7	22.6	6	18.8	12.2	6 14	24.1	7	19.9	13.9	9 19	25.6	8	0	15.5	12 23	27.1	8	1	17.2	15 24	28.6	9					
56	15.9	7.9	0 0	22.1	14.1	1	9.5	3 20	23.8	15.2	2	11.1	6 39	25.3	16.3	3	12.9	9 56	26.8	17.3	20.4	14.5	13 11	28.3	18.4	21.5	16.2	16 22	29.8	19.5					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

52																															UPPER MERIDIAN, CUSP OF 10th H.																														
H. M. S. SID. T. 18 21 47 } $\frac{1}{2}$ ARC 275° 26'.9 } 5°						H. M. S. 18 26 9 } $\frac{1}{2}$ 6° 276° 32'.2 } 6°						H. M. S. 18 30 30 } $\frac{1}{2}$ 7° 277° 37'.4 } 7°						H. M. S. 18 34 50 } $\frac{1}{2}$ 8° 278° 42'.6 } 8°						H. M. S. 18 39 11 } $\frac{1}{2}$ 9° 279° 47'.7 } 9°						H. M. S. 18 43 31 } $\frac{1}{2}$ 10° 280° 52'.8 } 10°																															
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																										
Lat.	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌																										
22	0.4	0.2	7 11	12.2	10.2	1.5	1.5	8 37	13.4	11.2	2.6	2.8	10 3	14.6	12.3	3.7	4.1	11 28	15.8	13.3	4.8	5.4	12 54	17.0	14.4	5.9	6.7	14 18	18.2	15.4																															
23	3	1	7 16	5	4	4	3	8 43	7	4	4	6 10	9	9	5	5	3.9	11 36	16.1	5	6	2 13	2	3	5	7	5 14	28	4	5																															
24	1	29.9	7 21	7	5	2	1	8 49	9	6	3	4 10	16	15.1	6	4	8 11	43	3	6	5	1 13	10	5	7	6	4 14	37	7	7																															
25	0	7	7 26	13.0	7	1	0.9	8 55	14.2	7	1	3 10	23	4	8	2	6 11	51	6	8	3	4.9	13 19	8	8	4	2 14	47	19.0	8																															
26	29.8	5	7 31	2	8	0.9	7	9 1	5	9	0	1 10	30	7	9	1	4 12	0	9	14.0	2	7 13	29	18.1	15.0	5.3	0 14	57	3	16.0																															
27	7	3	7 36	5	11.0	7	5	9 7	7	12.1	1.8	1.9	10 38	16.0	13.1	2.9	2 12	8	17.2	1	0	5 13	38	4	2	1	5.9	15 8	6	2																															
28	5	0	7 42	8	2	6	3	9 14	15.0	2	7	7 10	46	3	3	8	0 12	17	5	3	3.9	4 13	48	7	3	0	7 15	19	9	4																															
29	3	28.8	7 48	14.1	3	4	1	9 21	3	4	5	5 10	54	5	4	6	2.8	12 27	8	5	7	2 13	59	19.0	5	4.8	5 15	30	20.2	5																															
30	2	6	7 54	4	5	3	29.9	9 29	6	6	4	2 11	3	8	6	5	6 12	36	18.1	7	6	0 14	10	3	7	7	3 15	43	5	7																															
31	0	4	8 1	7	7	1	7	9 36	9	8	2	0 11	12	17.1	8	3	4 12	47	4	8	4	3.8	14 21	6	9	5	1 15	55	8	9																															
32	28.8	1	8 8	15.0	9	29.9	5	9 44	16.2	9	0	0.8	11 21	5	14.0	1	2 12	57	7	15.0	2	6 14	33	9	16.1	3	4.9	16 9	21.1	17.1																															
33	6	27.9	8 15	3	12.1	7	2	9 53	6	13.1	0.8	6 11	31	8	2	1.9	0 13	9	19.0	2	0	3 14	46	20.3	3	2	7 16	23	5	3																															
34	5	6	8 22	6	3	5	0	10 2	9	3	6	4 11	42	18.2	4	7	1.7	13 21	4	4	2.9	1 14	59	7	5	0	5 16	37	9	5																															
35	3	3	8 30	16.0	5	3	28.7	10 12	17.3	5	4	1 11	53	6	6	6	5 13	33	8	6	7	2.9	15 13	21.0	7	3.8	3 16	53	22.3	7																															
36	1	0	8 39	4	7	1	4	10 22	7	7	2	29.8	12 4	9	8	4	2 13	46	20.2	8	5	6 15	28	4	9	6	0 17	9	7	9																															
37	27.9	26.7	8 48	8	9	28.9	1	10 33	18.1	14.0	0	5 12	17	19.3	15.0	2	0.9	14 1	6	16.1	3	4 15	44	8	17.1	4	3.8	17 26	23.1	18.1																															
38	6	4	8 58	17.2	13.1	7	27.8	10 44	5	2	29.8	2 12	30	7	2	0	6 14	16	21.0	3	1	1 16	0	22.3	3	2	5 17	45	5	3																															
39	4	1	9 8	6	4	5	5	10 56	9	4	6	28.9	12 44	20.2	5	0.7	3 14	32	4	5	1.9	1.8	16 18	7	5	0	2 18	4	24.0	6																															
40	2	25.7	9 19	18.0	6	3	2	11 9	19.3	7	4	6 12	59	6	7	5	0 14	49	9	7	7	5 16	37	23.2	8	2.8	0 18	25	4	8																															
41	26.9	3	9 30	5	9	0	26.8	11 23	8	9	2	2 13	15	21.1	16.0	3	29.7	15	7	22.4	17.0	5	1 16	57	7	18.0	6	2.7	18 47	9	19.1																														
42	7	24.9	9 43	19.0	14.1	27.8	4	11 38	20.3	15.2	28.9	27.8	13 32	6	2	0	3 15	26	9	3	3	0.8	17 19	24.2	3	4	4 19	11	25.4	3																															
43	4	5	9 56	5	4	5	0	11 54	8	4	6	4 13	51	22.1	5	29.8	28.9	15 47	23.4	5	0	4 17	42	7	6	1	1 19	37	26.0	6																															
44	2	0	10 11	20.1	7	3	25.5	12 11	21.4	7	4	0 14	11	7	8	6	5 16	10	24.0	8	0.7	0 18	8	25.3	9	1.9	1.7	20 5	5	9																															
45	25.9	23.6	10 27	6	15.0	0	1	12 30	22.0	16.0	1	26.6	14 33	23.3	17.1	3	1 16	34	6	18.1	4	29.6	18 35	9	19.2	6	3	20 34	27.1	20.2																															
46	6	2	10 44	21.2	3	26.7	24.7	12 51	6	3	27.8	2 14	56	9	4	0	27.7	17	1	25.2	4	1	3 19	5	26.5	5	3	0.9	21 7	8	5																														
47	3	22.7	11 3	8	6	4	3	13 13	23.2	7	6	25.8	15 22	24.5	7	28.7	3 17	31	9	7	29.8	28.9	19 37	27.2	8	0	5 21	43	28.4	8																															
48	0	2	11 23	22.5	9	1	23.8	13 38	9	17.0	3	3 15	51	25.2	18.0	4	26.9	18	3	26.6	19.1	5	5 20	13	9	20.1	0.7	1 22	22	29.1	21.1																														
49	24.7	21.7	11 47	23.2	16.3	25.7	3	14 5	24.6	3	26.9	24.8	16 23	9	4	0	4 18	38	27.3	4	2	0 20	52	28.6	5	4	29.7	23 5	9	5																															
50	3	1	12 12	9	7	4	22.7	14 36	25.3	7	6	3 16	58	26.6	8	27.7	25.9	19 18	28.0	8	28.8	27.5	21 36	29.3	8	0	2 23	52	0.6	9																															
51	23.9	20.5	12 41	24.7	17.0	0	1	15 10	26.1	18.1	2	23.7	17 37	27.4	19.1	3	3 20	2	8	20.2	5	26.9	22 25	0.1	21.2	29.6	28.7	24 45	1.4	22.2																															
52	5	19.8	13 14	25.6	4	24.6	21.4	15 48	27.0	5	25.8	0 18	21	28.3	5	26.9	24.7	20 51	29.7	6	1	3 23	19	1.0	6	2	1 25	45	2.3	6																															
53	1	0	13 51	26.5	9	2	20.6	16 32	9	9	4	22.3	19 12	29.3	20.0	5	0 21	47	0.6	21.0	27.7	25.6	24 21	9	22.1	28.8	27.4	26 52	3.2	23.1																															
54	22.6	18.1	14 34	27.5	18.4	23.8	19.8	17 23	28.9	19.4	24.9	21.5	20 9	0.3	5	1	23.2	22 52	1.7	5	2	24.9	25 32	2.9	6	4	26.7	28 8	4.2	6																															
55	1	17.2	15 24	28.6	9	3	18.9	18 22	29.0	20.0	4	20.6	21 16	1.4	21.0	25.6	22.4	24 6	2.8	22.0	26.7	1 26	53	4.1	23.1	0	25.9	29 35	5.4	24.1																															
56	21.5	16.2	16 22	29.8	19.5	22.8	17.9	19 30	1.2	5	23.8	19.6	22 34	2.6	6	1	21.5	25 33	4.0	6	1	23.2	28 27	5.4	6	27.5	0	1 16	6.7	7																															

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									53												
H. M. S. SID. T. 18 47 51 } \vee ARC 281° 57'.8 } 11°					H. M. S. 18 52 11 } \vee 12° 283° 2'.7 } \vee 12°					H. M. S. 18 56 30 } \vee 13° 284° 7'.5 } \vee 13°					H. M. S. 19 0 49 } \vee 14° 285° 12'.3 } \vee 14°					H. M. S. 19 5 8 } \vee 15° 286° 16'.9 } \vee 15°					H. M. S. 19 9 26 } \vee 16° 287° 21'.5 } \vee 16°												
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3							
Lat.	\approx	\times	γ	δ	Π	\approx	\times	γ	δ	Π	\approx	\times	γ	δ	Π	\approx	\times	γ	δ	Π	\approx	\times	γ	δ	Π	\approx	\times	γ	δ	Π							
22	7.0	8.0	15	43	19.3	8.1	9.3	17	7	20.5	17.4	9.2	10.6	18	31	21.7	18.4	10.3	11.9	19	54	22.8	19.4	11.4	13.2	21	17	23.9	20.4	12.5	14.5	22	39	25.1	21.4		
23	6.8	7.8	15	53	6	5	7.9	1	17	18	8	6	0	5	18	43	9	6	1	8	20	7	23.1	6	3	1	21	30	24.2	6	4	4	22	53	4	6	
24	7	7	16	3	9	7	8	0	17	29	21.1	7	8.9	3	18	55	22.2	7	0	6	20	20	4	7	1	0	21	44	5	8	2	3	23	8	7	8	
25	5	5	16	14	20.2	9	6	8.9	17	41	4	9	8	2	19	7	5	9	9.9	5	20	33	7	9	0	12.8	21	58	8	9	1	2	23	23	26.0	9	
26	4	4	16	25	5	17.0	5	7	17	53	7	18.0	6	0	19	20	8	19.1	7	11.4	20	47	24.0	20.1	10.9	7	22	13	25.1	21.1	0	1	2	3	29	3	22.1
27	6.2	2	16	37	8	2	7.4	6	18	6	22.0	2	5	9.9	19	34	23.1	2	6	2	21	1	3	2	7	6	22	29	4	3	11.8	0	23	55	6	3	
28	1	0	16	49	21.1	4	2	4	18	19	3	4	8.3	7	19	48	4	4	5	1	21	16	6	4	6	5	22	45	8	4	7	13.8	24	12	9	4	
29	0	6.9	17	2	4	6	1	2	18	33	6	6	2	6	20	3	7	6	9.3	0	21	32	9	6	4	12.3	23	1	26.1	6	6	7	24	29	27.2	6	
30	5.8	7	17	15	7	7	6.9	0	18	47	9	7	0	4	20	18	24.1	8	1	10.8	21	49	25.3	8	10.3	2	23	18	4	8	4	6	24	48	6	8	
31	6	5	17	29	22.0	9	7	7.9	19	2	23.2	9	7.9	2	20	34	4	20.0	0	6	22	6	6	21.0	1	0	23	37	7	22.0	11.3	4	25	7	9	23.0	
32	5	3	17	43	4	18.1	6	7	19	17	6	19.1	7	1	20	51	8	2	8.8	5	22	24	9	2	0	11.9	23	56	27.1	2	1	13.3	25	27	28.3	2	
33	3	1	17	58	7	3	4	5	19	34	9	3	5	8.9	21	8	25.1	4	7	3	22	42	26.3	4	9.8	7	24	15	5	4	0	1	25	48	6	4	
34	1	5.9	18	14	23.1	5	3	3	19	51	24.3	5	4	7	21	27	5	6	5	1	23	2	7	6	6	6	24	36	9	6	10.8	0	26	10	29.0	6	
35	4.9	7	18	31	5	7	1	1	20	9	7	7	2	5	21	47	9	8	3	0	23	23	27.1	8	5	4	24	58	28.3	8	6	12.8	26	33	4	8	
36	7	5	18	49	9	9	5.9	6.9	20	28	25.1	9	0	3	22	7	26.3	21.0	1	9.8	23	45	5	22.0	3	2	25	22	7	23.0	4	6	26	58	9	24.0	
37	5	2	19	8	24.3	19.2	7	7	20	49	5	20.2	6.8	1	22	29	8	2	7.9	6	24	8	9	2	1	0	25	46	29.1	2	3	5	27	23	Π 0.3	2	
38	3	0	19	28	8	4	5	4	21	10	26.0	4	6	7.9	22	52	27.2	4	8	4	24	33	28.4	4	8.9	10.8	26	12	6	4	1	3	27	51	7	4	
39	1	4.7	19	49	25.2	6	3	2	21	33	4	6	4	7	23	16	7	6	6	2	24	59	8	7	7	6	26	40	Π	7	9.9	1	28	20	1.2	7	
40	3.9	5	20	12	7	8	1	0	21	57	9	9	2	5	23	42	28.1	9	4	0	25	26	29.3	9	5	5	27	9	0.5	9	7	0	28	51	7	9	
41	7	2	20	36	26.2	20.1	4.9	5.7	22	24	27.4	21.1	0	2	24	10	6	22.1	2	8.8	25	56	8	23.1	3	3	27	41	1.0	24.2	5	11.8	29	24	2.2	25.2	
42	5	3.9	21	2	7	4	7	4	22	52	9	4	5.8	6.9	24	40	29.1	4	0	5	26	28	Π 0.4	4	1	1	28	14	6	4	3	5	29	59	7	4	
43	3	6	21	30	27.2	6	4	1	23	22	28.5	6	6	6	25	12	7	7	6.7	2	27	2	9	7	7.9	9.8	28	50	2.1	7	1	3	0	36	3.3	7	
44	0	3	22	0	8	9	2	4.8	23	54	29.1	9	3	3	25	47	Π 0.3	9	5	7.9	27	38	1.5	24.0	6	5	29	28	7	25.0	8.8	1	1	16	9	26.0	
45	2.8	2.9	22	33	28.4	21.2	3.9	5	24	29	7	22.2	0	0	26	24	9	23.2	2	6	28	18	2.1	3	4	2	0	10	3.3	3	5	10.8	2	0	4.5	3	
46	5	5	23	8	29.0	5	6	2	25	7	Π 0.3	5	4.8	5.7	27	5	1.5	5	5.9	3	29	0	8	6	1	8.9	0	54	4.0	6	3	6	2	46	5.2	6	
47	2	1	23	46	7	8	3	3.8	25	48	1.0	9	5	4	27	48	2.2	9	6	0	29	47	3.4	9	6.8	6	1	43	7	9	0	3	3	37	9	9	
48	1.8	1.7	24	28	Π 0.4	22.2	0	4	26	33	7	23.2	2	0	28	36	9	24.2	3	6.7	0	37	4.1	25.2	5	3	2	35	5.4	26.2	7.7	0	4	32	6.6	27.2	
49	5	3	25	15	1.1	5	2.7	0	27	23	2.4	5	3.9	4.6	29	28	3.6	6	0	3	1	32	8	6	2	0	3	33	6.1	6	4	9.7	5	32	7.3	6	
50	2	0.8	26	6	9	9	4	2.5	28	18	3.2	9	6	2	0	26	4.4	9	4.7	5.9	2	33	5.6	9	5.9	7.6	4	37	9	9	1	3	6	38	8.1	9	
51	0.8	3	27	3	2.7	23.3	1	0	29	18	4.0	24.3	2	3.7	1	31	5.2	25.3	3	5	3	40	6.5	26.3	6	2	5	47	7.7	27.3	6.8	8.9	7	50	9	28.3	
52	5	\approx 29.7	28	7	3.6	7	1.7	1.5	0	26	9	7	2.8	2	2	42	6.1	7	0	0	4	55	7.4	7	2	6.8	7	4	8.6	7	4	5	9	10	9.8	7	
53	1	1	29	18	4.6	24.1	3	0.9	1	42	5.8	25.1	4	2.6	4	2	7.1	26.1	3.7	4.5	6	18	8.3	27.1	4.8	3	8	30	9.6	28.1	0	0	10	39	10.8	29.1	
54	\vee 29.7	28.4	0	40	5.6	6	0.9	2	3	8	6.8	6	0	0	5	32	8.2	6	3	3.9	7	51	9.4	6	4	5.7	10	7	10.6	6	5.6	7.5	12	19	11.8	$\overline{5}$ 6	
55	2	27.7	2	13	6.7	25.1	4	\approx 29.5	4	46	8.0	26.1	1.6	1.3	7	14	9.2	27.1	2.8	2	9	37	10.5	28.1	0	1	11	56	11.7	29.1	2	6.9	14	10	12.9	$\overline{5}$ 0.1	
56	28.7	26.9	4	0	8.0	7	\vee 29.8	28.7	6	38	9.2	7	1	0.5	9	10	10.4	7	2	2.4	11	38	11.8	7	3.5	4.4	13	59	13.0	7	4.8	3	16	15	14.1	7	

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

54																												UPPER MERIDIAN, CUSP OF 10th H.																															
H. M. S. SID. T. 19 9 26 } ∇ ARC 287° 21'.5 } 16°										H. M. S. 19 13 44 } ∇ 17° 288° 25'.9 }										H. M. S. 19 18 1 } ∇ 18° 289° 30'.2 }										H. M. S. 19 22 18 } ∇ 19° 290° 34'.4 }										H. M. S. 19 26 34 } ∇ 20° 291° 38'.4 }										H. M. S. 19 30 49 } ∇ 21° 292° 42'.4 }									
H.	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8																								
Lat.	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎																								
22	12.5	14.5	22 39	25.1	21.4	13.6	15.8	24 1	26.2	22.4	14.8	17.1	25 22	27.3	23.4	15.9	18.4	26 43	28.4	24.4	17.0	19.7	28 3	29.5	25.4	18.1	21.1	29 23	0.6	26.4																													
23	4	4 22 53	4	6	5	7 24 16	5	6	6	0 25 38	6	6	8	4 26 59	7	6	16.9	7 28 20	8	6	0	0 29 41	9	5																																			
24	2	3 23 8	7	8	4	6 24 31	8	8	5	16.9 25 54	9	7	6	3 27 16	29.0	7	8	6 28 38	0.1	7	17.9	20.9	29 59	1.2	7																																		
25	1	2 23 23	26.0	9	2	5 24 47	27.1	9	4	9 26 11	28.2	9	5	2 27 34	3	9	6	5 28 56	4	9	8	9 0 18	5	9																																			
26	0	1 23 39	3 22.1	1	15.4	25 4	4 23.1	14.3	8	26 28	5 24.1	15.4	1	27 52	6 25.1	5	5	29 15	7 26.1	7	8	0 37	8	27.0																																			
27	11.8	0 23 55	6	3	0	3 25 21	7	3	1	7 26 46	9	3	3	0 28 10	0.1	2	16.4	19.4	29 34	1.1	2	5	7 0 58	2.2	2																																		
28	7	13.8	24 12	9	4	12.8	2 25 38	28.0	4	0	6 27 4	29.2	4	1	17.9	28 30	0.3	4	3	3 29 55	4	4	17.4	7 1 19	5	4																																	
29	6	7 24 29	27.2	6	7	1 25 57	4	6	13.8	16.5	27 24	5	6	0	8 28 50	6	6	1	2 0 16	7	6	3 20.6	1 40	9	6																																		
30	4	6 24 48	6	8	5	14.9	26 16	7	8	7	3 27 44	8	8	14.8	7 29 11	1.0	8	0	1 0 38	2.1	8	1	5 2 3	3.2	7																																		
31	11.3	4 25 7	9 23.0	4	8	26 36	29.1	24.0	5	2 28 5	0.2	25.0	7	6	29 33	3 26.0	15.8	0	1 0	5	9	0	4 2 27	6	9																																		
32	1	13.3	25 27	28.3	2	12.2	7 26 57	4	2	4	1 28 27	5	2	5	5 29 56	7	2	7	18.9	1 24	8 27.1	16.8	4	2 52	9	28.1																																	
33	0	1 25 48	6	4	1	6 27 20	8	4	2	0 28 50	9	4	4	17.4	0 20	2.1	4	5	8 1 49	3.2	3	7 20.3	3 18	4.3	3																																		
34	10.8	0 26 10	29.0	6	0	14.4	27 43	0.2	6	1	15.9	29 15	1.3	6	14.2	3 0 46	5	6	4	7 2 16	6	5	5 2 3 45	7	5																																		
35	6	12.8	26 33	4	8	11.9	3 28 7	6	8	12.9	7 29 40	7	8	1	2 1 12	9	8	2	6 2 43	4.0	7	4	1 4 13	5.1	7																																		
36	4	6 26 58	9 24.0	7	1	28 33	1.0	25.0	7	6	0 7	2.2	26.0	0	1	1 40	3.3	27.0	0	5	3 12	4	9	16.2	0	4 43	6	9																															
37	3	5 27 23	0.3	2	5	0 29 0	5	2	5	4	0 35	6	2	13.8	16.9	2 9	7	2	14.9	18.4	3 43	9 28.2	1	19.9	5 15	6.0	29.2																																
38	1	3 27 51	7	4	3	13.8	29 28	9	4	4	15.3	1 5 3.1	4	6	8 2 40	4.2	4	8	3 4 15	5.3	4	0	8 5 48	5	4																																		
39	9.9	1 28 20	1.2	7	1	6 29 59	2.4	7	2	1 1 37	5	7	4	6 3 13	7	6	6	2 4 49	8	6	15.8	7 6 23	7.0	6																																			
40	7	0 28 51	7	9	10.9	5 0 31	9	9	0	0 2 10	4.0	9	2	5 3 48	5.2	9	4	0 5 25	6.3	9	6	6 7 0	5	8																																			
41	5	11.8	29 24	2.2	25.2	7	3 1 6	3.4	26.2	11.8	14.8	2 46	5 27.1	0	3	4 25	7 28.1	2	17.9	6 3	8 29.1	4	19.5	7 39	8.0	0.1																																	
42	3	5 29 59	7	4	5	1 1 42	9	4	6	6 3 24	5.1	4	12.8	1 5 4	6.2	4	0	7 6 43	7.4	4	2	4 8 21	5	3																																			
43	1	3 0 36	3.3	7	2	12.9	2 21	4.5	7	4	4 4 5	7	7	6	15.9	5 46	8	7	13.8	5 7 27	8.0	6	0	3 9 5	9.1	6																																	
44	8.8	1 1 16	9 26.0	0	7	3 3	5.1	27.0	1	2	4 48	6.3	28.0	3	7 6 31	7.4	9	5	4 8 13	6	9	14.8	1 9 53	7	9																																		
45	5	10.8	2 0 4.5	3	9.7	4 3 48	7	3	10.9	0 5 35	9	3	1	5 7 20	8.0	29.2	3	3 9 3	9.2	0.2	6	18.9	10 44	10.3	1.2																																		
46	3	6 2 46	5.2	6	4	2 4 37	6.4	6	7	13.8	6 25	7.5	6	11.9	3 8 12	7	5	1	1 9 56	8	5	3	7 11 38	11.0	5																																		
47	0	3 3 37	9	9	2	11.9	5 29	7.0	9	4	6 7 19	8.2	9	7	1 9 8	9.4	8	12.9	16.9	10 53	10.5	8	1	5 12 37	6	8																																	
48	7.7	0 4 32	6.6	27.2	8.9	6 6 26	7 28.2	1	3	8 18	9 29.2	4	14.9	10 8 10.1	0.2	6	7	11 55	11.2	1.1	13.8	3 13 41	12.3	2.1																																			
49	4	9.7	5 32	7.3	6	6 3 7 28	8.5	5	9.8	0 9 22	9.6	5	1	7 11 14	8	5	3	5 13 2	9	5	5	1 14 49	13.1	5																																			
50	1	3 6 38	8.1	9	3	0 8 36	9.2	9	5	12.7	10 32	10.4	9	10.8	4 12 25	11.6	9	0	2 14 16	12.7	9	2	17.9	16 4	8	8																																	
51	6.8	8.9	7 50	9 28.3	0	10.6	9 51	10.1	29.3	2	4 11 49	11.2	0.3	5	1 13 44	12.4	1.3	11.7	15.9	15 36	13.5	2.2	12.8	7 17 25	14.6	3.2																																	
52	4	5 9 10	9.8	7	7.6	2 11 14	11.0	7	8.9	0 13 13	12.1	7	1	13.8	15 10	13.3	7	4	6 17 3	14.4	6	5	4 18 53	15.5	6																																		
53	0	0 10 39	10.8	29.1	3	9.8	12 45	9 0.1	5	11.6	14 46	13.1	1.1	9.7	5 16 45	14.2	2.1	0	3 18 39	15.3	3.0	2	1 20 30	16.5	4.0																																		
54	5.6	7.5	12 19	11.8	6	6.9	3 14 26	12.9	6	1	2 16 29	14.1	6	3	1 18 29	15.2	6	10.6	0 20 25	16.4	5	11.8	16.8	22 17	17.5	5																																	
55	2	6.9	14 10	12.9	0.1	4	8.8	16 19	14.0	1.1	7.7	10.7	18 24	15.2	2.1	8.9	12.7	20 25	16.3	3.1	2	14.6	22 22	17.5	4.0	4	5 24 15	18.6	5.0																														
56	4.8	3 16 15	14.1	7	0	2 18 27	15.2	7	3	2 20 33	16.4	6	5	2 22 35	17.5	6	9.8	2 24 33	18.7	5	0	1 26 26	19.8	5																																			

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												55							
H. M. S. SID. T. 19 35 5 } ∇ ARC 293° 46'.2 } 22°						H. M. S. 19 39 19 } ∇ 23° 294° 49'.8 }						H. M. S. 19 43 33 } ∇ 24° 295° 53'.3 }						H. M. S. 19 47 47 } ∇ 25° 296° 56'.7 }						H. M. S. 19 51 59 } ∇ 26° 297° 59'.9 }						H. M. S. 19 56 12 } ∇ 27° 298° 2'.9 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎	♊	♋	♌	♍	♎					
22	19.3	22.4	0 42	1.7	27.4	20.4	23.7	2 1	2.8	28.3	21.5	25.0	3 19	3.8	29.3	22.7	26.3	4 36	4.9	0.3	23.8	27.5	5 53	6.0	1.2	24.9	28.8	7 9	7.0	2.2					
23	2	3	1 1	2.0	5	3	6	2 20	3.1	5	4	24.9	3 38	4.2	5	6	2	4 56	5.2	4	7	5	6 13	3	4	8	8	7 30	3	4					
24	0	3	1 20	3	7	2	6	2 39	4	7	3	9	3 58	5	6	5	2	5 17	5	6	6	5	6 35	6	6	7	8	7 52	6	5					
25	18.9	2	1 39	6	8	1	5	3 0	7	8	2	9	4 19	8	8	4	2	5 38	9	8	5	5	6 57	9	7	6	8	8 14	9	7					
26	8	22.2	1 59	9	28.0	19.9	5	3 20	4.0	29.0	1	8	4 41	5.1	26	22.2	26.2	6 0	6.2	9	23.4	5	7 19	7.2	9	5	8	8 37	8.2	9					
27	7	1	2 20	3.3	2	8	23.4	3 42	4	2	0	8	5 3	4	0.1	1	1	6 23	5	1.1	3	27.5	7 43	6	2.1	24.4	28.8	9 1	5	3.0					
28	5	0	2 42	6	4	7	4	4 4	7	3	20.8	24.8	5 26	8	3	0	1	6 47	9	3	1	4	8 7	9	2	3	8	9 26	9	2					
29	18.4	0	3 4	4.0	5	6	3	4 28	5.0	5	7	7	5 50	6.1	5	21.9	1	7 12	7.2	4	0	4	8 32	8.3	4	2	8	9 52	9.3	4					
30	3	21.9	3 28	3	7	19.4	3	4 52	4	7	6	7	6 15	5	7	7	26.0	7 37	6	6	22.9	4	8 58	6	6	1	8	10 19	7	6					
31	1	8	3 52	7	9	3	2	5 17	8	9	4	6	6 41	8	8	6	0	8 4	9	8	8	4	9 26	9.0	8	23.9	8	10 47	10.1	7					
32	0	8	4 18	5.0	29.1	1	23.2	5 43	6.1	0.1	20.3	6	7 8	7.2	1.0	5	0	8 31	8.3	2.0	6	27.3	9 54	4	3.0	8	28.7	11 16	5	9					
33	17.8	7	4 45	4	3	0	1	6 11	5	3	2	24.5	7 36	6	2	21.4	25.9	9 1	7	2	5	3	10 24	8	2	7	7 11 46	9	4.1						
34	7	21.6	5 13	8	5	18.8	0	6 40	9	5	0	5	8 6	8.0	4	2	9	9 31	9.1	4	22.4	3	10 55	10.2	4	5	7	12 18	11.3	3					
35	5	5	5 42	6.2	7	7	0	7 10	7.3	7	19.9	4	8 37	4	6	1	8	10 3	5	6	3	3	11 28	6	6	23.4	7	12 51	7	5					
36	4	4	6 13	7	9	5	22.9	7 42	8	9	7	4	9 10	9	8	20.9	8	10 36	9	8	2	3	12 2	11.0	8	3	7	13 26	12.1	7					
37	2	4	6 45	7.1	0.1	4	8	8 15	8.2	1.1	6	3	9 44	9.3	2.1	8	8	11 11	10.4	3.0	0	27.2	12 38	5	4.0	2	28.7	14 3	5	9					
38	0	21.3	7 20	6	3	2	7	8 50	7	3	4	24.2	10 20	8	3	6	25.7	11 48	9	2	21.9	2	13 15	9	2	0	7	14 41	13.0	5.1					
39	16.9	2	7 56	8.1	6	0	7	9 27	9.2	5	19.2	2	10 58	10.3	5	5	7	12 27	11.3	5	7	2	13 55	12.4	4	22.9	7	15 21	5	4					
40	7	1	8 34	6	8	17.9	6	10 6	7	8	1	1	11 38	8	7	3	6	13 7	8	7	5	1	14 36	9	7	7	6	16 3	14.0	6					
41	5	0	9 14	9.1	1.1	7	22.5	10 48	10.2	2.0	0	0	12 20	11.3	3.0	1	6	13 51	12.4	9	3	27.1	15 20	13.4	9	5	6	16 48	5	9					
42	3	20.8	9 57	6	3	5	4	11 32	7	3	18.8	0	13 4	8	3	19.9	25.5	14 36	9	4.2	1	1	16 6	14.0	5.1	4	28.6	17 35	15.1	6.1					
43	1	7	10 43	10.2	6	4	3	12 18	11.3	6	6	23.9	13 52	12.4	5	7	5	15 25	13.5	5	20.9	0	16 56	6	4	2	6	18 25	7	4					
44	15.9	6	11 31	8	9	2	2	13 8	9	8	4	8	14 43	13.0	8	5	4	16 16	14.1	8	8	0	17 48	15.2	7	0	6	19 18	16.3	7					
45	7	4	12 24	11.4	2.2	0	1	14 1	12.5	3.1	1	7	15 37	6	4.1	3	3	17 11	7	5.1	6	26.9	18 43	8	6.0	21.8	6	20 14	9	7.0					
46	4	20.3	13 19	12.1	5	16.8	21.9	14 58	13.2	4	17.9	6	16 35	14.2	4	1	25.2	18 10	15.3	4	4	9	19 43	16.4	3	5	5	21 14	17.5	3					
47	2	2	14 19	7	8	6	8	15 59	8	7	7	5	17 37	9	7	18.9	2	19 12	16.0	7	2	8	20 46	17.1	6	3	28.5	22 18	18.2	6					
48	0	1	15 24	13.4	3.1	3	7	17 4	14.5	4.1	5	23.4	18 43	15.6	5.0	6	1	20 20	7	6.0	0	8	21 54	8	9	1	5	23 27	9	9					
49	14.7	19.9	16 33	14.2	4	0	5	18 15	15.3	4	2	3	19 55	16.3	4	4	0	21 32	17.4	3	19.7	26.7	23	7	18.5	7.2	20.9	5	24 40	19.6	8.2				
50	4	7	17 49	9	8	15.7	21.4	19 32	16.0	7	16.9	2	21 12	17.1	7	1	24.9	22 50	18.2	6	4	7	24 26	19.3	6	6	4	25 59	20.3	5					
51	1	5	19 11	15.7	4.2	4	3	20 55	8	5.1	6	1	22 36	9	6.1	17.8	8	24 15	19.0	7.0	1	6	25 51	20.1	9	3	4	27 24	21.1	9					
52	13.8	3	20 41	16.6	6	1	1	22 25	17.7	5	3	22.9	24	7	18.8	5	5	7	25 46	9	4	18.8	5	27 22	9	8.3	0	28.3	28 56	9	9.3				
53	4	1	22 18	17.6	5.0	14.8	20.9	24	3	18.7	9	15.9	7	25 46	19.7	9	2	6	27 25	20.8	8	5	26.4	29	1	21.8	8	19.7	3	0 35	22.8	7			
54	1	18.8	24	6	18.6	4	4	7	25 51	19.7	6.4	6	5	27 33	20.7	7.3	16.9	24.4	29	13	21.8	8.3	2	3	0 49	22.8	9.2	4	2	2 22	23.8	10.1			
55	12.7	5	26	4	19.7	9	13.9	4	27 50	20.7	9	2	3	29 32	21.8	8	5	3	1	10	22.9	7	17.8	3	2	46	23.9	7	1	2	4	19	24.9	6	
56	3	2	28 15	20.9	6.4	5	1	0	0	21.9	7.4	14.8	1	1	41	23.0	8.3	1	1	3	19	24.0	9.2	5	2	4	54	25.0	10.2	18.7	2	6	25	26.1	11.1

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

56. UPPER MERIDIAN, CUSP OF 10th H.																																			
H. M. S. SID. T. 19 56 12 } $\sim 27^\circ$ ARC 299° 2'.9						H. M. S. 20 0 23 } $\sim 28^\circ$ 300° 5'.8						H. M. S. 20 4 34 } $\sim 29^\circ$ 301° 8'.5						H. M. S. 20 8 44 } $\sim 0^\circ$ 302° 11'.1						H. M. S. 20 12 54 } $\sim 1^\circ$ 303° 13'.4						H. M. S. 20 17 8 } $\sim 2^\circ$ 304° 15'.6					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	\sim	\times	γ	Π	Σ	\sim	γ	γ	Π	Σ	\sim	γ	γ	Π	Σ	\sim	γ	γ	Π	Σ	\sim	γ	γ	Π	Σ	\times	γ	γ	Π	Σ					
22	24.9	28.8	7 9	7.0	2.2	26.1	0.1	8 24	8.0	3.2	27.2	1.4	9 38	9.1	4.1	28.4	2.7	10 52	10.1	5.1	29.5	4.0	12 5	11.1	6.0	0.7	5.2	13 18	12.1	7.0					
23	8	8	7 30	3	4	0	1	8 45	3	3	1	4 10	1	4	3	3	7 11	15	4	2	4	0 12	28	4	2	6	3 13	41	4	1					
24	7	8	7 52	6	5	25.9	1	9 8	6	5	0	4 10	23	7	4	2	7 11	38	7	4	3	0 12	52	7	4	5	3 14	6	8	3					
25	6	8	8 14	9	7	8	1	9 31	9	7	26.9	4 10	47	10.0	6	1	7 12	2	11.1	5	2	1 13	17	12.1	5	4	3 14	31	13.1	5					
26	5	8	8 37	8.2	9	7	1	9 55	9.2	8	8	4 11	11	3	8	0	2.8	12 27	4	7	1	1 13	42	4	7	0.3	5.4	14 56	4	6					
27	24.4	28.8	9 1	5	3.0	6	0.1	10 19	5	4.0	7	1.5	11 36	6	9	27.9	8 12	53	7	9	0	4.1	14 8	7	8	2	4 15	23	8	8					
28	3	8	9 26	9	2	5	1	10 45	9	2	6	5 12	2	11.0	5.1	8	8 13	19	12.1	6.0	28.9	2 14	35	13.1	7.0	1	5 15	51	14.1	8.0					
29	2	8	9 52	9.3	4	25.3	1	11 11	10.3	3	5	5 12	29	4	3	7	8 13	47	4	2	8	2 15	3	4	2	0	5 16	19	5	1					
30	1	8	10 19	7	6	2	1	11 39	7	5	26.4	5 12	57	8	5	6	2.9	14 15	8	4	7	2 15	32	8	4	29.9	5.6	16 49	8	3					
31	23.9	8	10 47	10.1	7	1	1	12 7	11.1	7	3	5 13	26	12.2	6	5	9 14	45	13.2	6	6	3 16	3	14.2	5	8	6 17	19	15.2	5					
32	8	28.7	11 16	5	9	0	0.1	12 37	5	9	2	1.5	13 57	6	8	27.4	9 15	16	5	8	5	4.3	16 34	6	7	7	7 17	51	6	7					
33	7	7	11 46	9	4.1	24.8	1	13 8	9	5.1	0	5 14	28	13.0	6.0	2	9 15	48	9	7.0	28.4	3 17	6	15.0	9	6	7 18	24	16.0	9					
34	5	7	12 18	11.3	3	7	1	13 40	12.3	3	25.9	5 15	1	4	2	1	3.0	16 21	14.4	2	3	4 17	40	4	8.1	5	5.8	18 59	4	9.0					
35	23.4	7	12 51	7	5	6	1	14 14	7	5	8	6 15	36	8	4	0	0 16	56	8	4	2	4 18	16	8	3	29.4	8 19	34	8	2					
36	3	7	13 26	12.1	7	5	1	14 49	13.1	7	7	6 16	12	14.2	6	26.9	0 17	33	15.2	6	1	5 18	53	16.2	5	2	9 20	12	17.2	4					
37	2	28.7	14 3	5	9	24.4	0.1	15 27	6	9	6	1.6	16 49	6	8	7	1 18	11	7	8	0	4.5	19 32	7	7	1	9 20	51	7	7					
38	0	7	14 41	13.0	5.1	2	1	16 5	14.1	6.1	25.4	6 17	29	15.1	7.0	6	1 18	51	16.1	8.0	27.9	6 20	12	17.2	9	0	6.0	21 32	18.2	9					
39	22.9	7	15 21	5	4	1	1	16 46	5	3	3	6 18	10	6	3	4	3.1	19 33	6	2	7	6 20	55	6	9.2	28.8	1 22	15	6	10.1					
40	7	6	16 3	14.0	6	23.9	1	17 29	15.0	6	1	7 18	54	16.1	5	26.3	2 20	17	17.1	5	5	7 21	39	18.1	4	7	1 23	0	19.1	3					
41	5	6	16 48	5	9	7	1	18 15	6	8	24.9	7 19	40	6	8	1	2 21	3	6	7	4	4.7	22 26	6	6	5	2 23	47	7	6					
42	4	28.6	17 35	15.1	6.1	6	0.1	19 2	16.1	7.1	8	1.7	20 28	17.2	8.0	0	2 21	52	18.2	9	2	8 23	15	19.2	9	3	6.3	24 37	20.2	8					
43	2	6	18 25	7	4	4	2	19 54	7	4	6	7 21	19	8	3	25.8	3 22	44	7	9.2	0	8 24	7	8	10.2	2	4 25	29	7	11.1					
44	0	6	19 18	16.3	7	2	2	20 46	17.3	6	4	8 22	13	18.4	6	6	3.3	23 39	19.3	5	26.8	9 25	2	20.3	4	1	5 26	25	21.3	4					
45	21.8	6	20 14	9	7.0	0	2	21 43	9	9	2	8 23	11	19.0	9	4	4 24	37	9	7	6	5.0	26 1	9	7	27.9	6 27	23	9	6					
46	5	5	21 14	17.5	3	22.8	2	22 44	18.5	8.2	0	8 24	12	6	9.1	2	4 25	38	20.6	10.0	4	1 27	3	21.6	11.0	7	6.7	28 25	22.6	9					
47	3	28.5	22 18	18.2	6	6	0.2	23 48	19.2	5	23.8	1.8	25 17	20.3	4	0	5 26	43	21.2	3	3	1 28	8	22.2	3	5	8 29	31	23.2	12.2					
48	1	5	23 27	9	9	4	2	24 57	9	8	6	9 26	26	21.0	7	24.8	5 27	53	9	7	1	2 29	18	9	6	3	9 0	41	9	5					
49	20.9	5	24 40	19.6	8.2	2	2	26 11	20.6	9.1	4	9 27	40	7	10.1	6	3.6	29 7	22.6	11.0	25.9	3 0	32	23.6	9	1	7.0	1 55	24.6	8					
50	6	4	25 59	20.3	5	21.9	2	27 31	21.3	5	1	9 29	0	22.4	4	4	6 0	26	23.4	3	6	5.4	1 51	24.4	12.3	26.9	1 3	14	25.3	13.2					
51	3	4	27 24	21.1	9	6	2	28 56	22.1	8	22.8	2.0	0 25	23.2	8	1	7 1	52	24.2	7	4	5	3 16	25.2	6	7	2 4	39	26.1	5					
52	0	28.3	28 56	9	9.3	3	0.2	0 27	23.0	10.2	5	0	1 56	24.0	11.2	23.9	8 3	23	25.0	12.1	2	6	4 47	26.0	13.0	4	3	6 10	9	9					
53	19.7	3	0 35	22.8	7	0	2	2 6	9	6	2	1	3 35	9	6	6	9 5	1	9	5	24.9	7 6	25	9	4	2	7.5	7 47	27.8	14.3					
54	4	2	2 22	23.8	10.1	20.7	2	3 53	24.9	11.1	21.9	1	5 21	25.9	12.0	3	4.0	6 46	26.9	9	6	8 8	9	27.8	8	25.9	7 9	31	28.8	7					
55	1	2	4 19	24.9	6	4	2	5 49	25.9	5	7	2	7 16	26.9	4	0	1	8 40	27.9	13.3	3	6.0	10	28.9	14.2	6	9 11	22	29.9	15.1					
56	18.7	2	6 25	26.1	11.1	1	2	7 54	27.0	12.0	3	2	9 20	28.0	9	22.6	2 10	43	29.0	8	0	2 12	4	26	7	3	8.1	13 22	1.0	6					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.

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H. M. S. SID. T. 20 21 11 } $\approx 3^\circ$ ARC 305° 17'.7 }						H. M. S. 20 25 18 } $\approx 4^\circ$ 306° 19'.5 }						H. M. S. 20 29 25 } $\approx 5^\circ$ 307° 21'.2 }						H. M. S. 20 33 31 } $\approx 6^\circ$ 308° 22'.7 }						H. M. S. 20 37 36 } $\approx 7^\circ$ 309° 24'.0 }						H. M. S. 20 41 41 } $\approx 8^\circ$ 310° 25'.2 }									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3				
Lat.	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌	♈	♉	♊	♋	♌				
22	1.8	6.5	14.30	13.1	7.9	3.0	7.8	15.41	14.1	8.9	4.1	9.1	16.51	15.1	9.8	5.3	10.3	18.1	16.1	10.7	6.4	11.6	19.11	17.1	11.7	7.5	12.8	20.20	18.0	12.6									
23	7	6	14.54	4	8.1	2.9	8	16.5	4	9.0	0	1	17.16	4	10.0	2	4	18.27	4	9	3	6	19.36	4	8	5	9	20.45	4	7									
24	7	6	15.18	8	2	8	9	16.30	8	2	0	2	17.42	7	1	1	4	18.52	7	11.0	3	7	20.2	7	12.0	4	13.0	21.12	7	9									
25	6	7	15.44	14.1	4	7	9	16.56	15.1	3	3.9	2	18.8	16.1	3	0	5	19.19	17.1	2	2	8	20.29	18.0	1	3	1	21.39	19.0	13.1									
26	5	7	16.10	4	6	6	8.0	17.23	4	5	8	3	18.35	4	4	0	6	19.47	4	4	6.1	9	20.57	4	3	3	2	22.7	3	2									
27	1.4	6.8	16.37	8	7	2.5	1	17.50	8	7	7	9.4	19.3	8	10.6	4.9	10.7	20.15	7	5	0	12.0	21.26	7	5	7.2	3	22.36	7	4									
28	3	8	17.5	15.1	9	5	1	18.19	16.1	8	6	4	19.32	17.1	8	8	8	20.44	18.1	7	0	1	21.55	19.1	6	1	4	23.6	20.0	5									
29	2	9	17.34	5	9.1	4	2	18.48	5	10.0	5	5	20.2	5	9	7	8	21.14	4	9	5.9	1	22.26	4	8	0	13.5	23.37	4	7									
30	1	9	18.4	8	2	3	2	19.19	8	2	3.4	6	20.32	8	11.1	6	9	21.45	8	12.0	8	2	22.57	8	13.0	0	6	24.9	8	9									
31	0	7.0	18.35	16.2	4	2.2	8.3	19.50	17.2	4	3	9.7	21.4	18.2	3	5	11.0	22.18	19.2	2	7	3	23.30	20.2	1	6.9	7	24.41	21.1	14.1									
32	0.9	0	19.8	6	6	1	4	20.23	6	5	2	7	21.37	6	5	4.4	1	22.51	6	4	6	12.4	24.4	5	3	8	8	25.15	5	2									
33	8	1	19.41	17.0	8	0	5	20.57	18.0	7	1	8	22.11	19.0	7	3	2	23.25	20.0	6	5	5	24.39	9	5	7	9	25.51	9	4									
34	7	1	20.16	4	10.0	1.8	5	21.32	4	9	0	9	22.47	4	8	2	3	24.1	4	8	5.4	7	25.15	21.3	7	6	14.0	26.27	22.3	6									
35	5	2	20.52	8	2	7	8.6	22.8	8	11.1	2.9	10.0	23.24	8	12.0	1	4	24.39	8	13.0	3	8	25.52	8	9	5	2	26.5	7	8									
36	0.4	7.3	21.30	18.2	4	6	7	22.46	19.2	3	8	1	24.3	20.2	2	0	11.5	25.17	21.2	2	2	9	26.31	22.2	14.1	6.4	3	27.44	23.2	15.0									
37	3	4	22.9	7	6	5	8	23.26	7	5	7	2	24.43	7	4	3.9	6	25.58	7	4	1	13.0	27.12	6	3	3	4	28.25	6	2									
38	2	4	22.50	19.2	8	1.4	9	24.8	20.2	7	6	3	25.25	21.2	7	8	8	26.40	22.2	6	0	2	27.55	23.1	5	2	14.6	29.8	24.1	4									
39	0	5	23.34	6	11.0	2	9.0	24.52	6	12.0	2.5	10.4	26.9	6	9	7	9	27.25	6	8	4.9	3	28.39	6	7	1	8	29.53	6	6									
40	29.9	7.6	24.19	20.1	3	1	1	25.38	21.1	2	3	6	26.55	22.1	13.1	5	12.0	28.11	23.1	14.0	8	5	29.26	24.1	15.0	0	9	0	40	25.0	9								
41	7	7	25.7	7	5	0	2	26.26	7	4	2	7	27.43	6	4	3.4	2	29.0	6	3	6	7	0	15	6	2	5.9	15.1	1	29	5	16.1							
42	6	8	25.57	21.2	8	0.8	4	27.17	22.2	7	0	9	28.34	23.2	6	3	3	29.50	24.1	5	5	8	1	6	25.1	4	7	3	2	20	26.1	3							
43	4	9	26.50	7	12.0	7	9.5	28.9	7	13.0	1.9	11.0	29.27	7	9	1	5	0	44	7	7	4.3	14.0	1	59	7	6	5	3	13	6	6							
44	29.3	8.1	27.46	22.3	3	5	6	29.5	23.3	2	7	2	0	23	24.3	14.1	0	7	1	40	25.3	15.0	2	2	2	55	26.2	9	4	7	4	9	27.2	8					
45	2	2	28.44	9	6	4	8	0	4	9	5	6	4	1	22	9	4	2.8	9	2	39	9	3	1	4	3	54	8	16.2	5.3	16.0	5	8	8	17.1				
46	0	3	29.47	23.5	9	2	9	1	6	24.5	8	5	5	2	25	25.5	7	7	13.1	3	41	26.5	6	0	7	4	57	27.4	5	2	2	6	11	28.4	4				
47	28.8	4	0	53	24.2	13.2	0	10.1	2	12	25.2	14.1	3	7	3	30	26.2	15.0	6	3	4	47	27.1	9	3.8	9	6	2	28.1	8	1	4	7	16	29.0	7			
48	6	8.6	2	2	9	5	29.8	3	3	22	9	4	1	9	4	40	8	3	5	5	5	57	8	16.2	6	15.2	7	12	7	17.1	4.9	7	8	25	7	18.0			
49	4	7	3	17	25.6	8	7	4	4	36	26.6	7	0.9	12.1	5	54	27.5	6	3	7	7	10	28.5	5	4	4	8	25	29.4	4	8	9	9	39	0.4	3			
50	2	8	4	36	26.3	14.1	5	5	5	55	27.3	15.0	7	2	7	13	28.3	9	0	9	8	29	29.2	8	3	6	9	43	0.2	7	6	17.2	10	56	1.1	6			
51	27.9	9.0	6	0	27.1	5	2	7	7	19	28.1	3	5	4	8	36	29.0	16.2	1.8	14.2	9	52	28	17.2	1	9	11	6	9	18.1	4	5	12	18	8	19.0			
52	7	2	7	30	9	8	0	9	8	49	9	7	3	7	10	5	8	6	6	5	11	20	0.8	5	2.9	16.2	12	33	1.7	4	2	9	13	45	2.6	3			
53	5	4	9	7	28.8	15.2	28.8	11.2	10	24	29.8	16.1	1	13.0	11	40	0.7	17.0	3	8	12	54	1.6	9	7	6	14	7	2.6	8	3.9	18.3	15	17	3.5	6			
54	2	6	10	50	29.8	6	5	5	12	6	0.7	5	29.8	3	13	21	1.6	4	1	15.2	14	34	2.5	18.3	4	17.0	15	46	3.5	19.2	7	8	16	56	4.4	20.0			
55	26.9	9	12	40	0.8	16.0	2	8	13	56	1.7	9	5	7	15	9	2.6	8	0.8	6	16	21	3.6	7	2	5	17	31	4.5	6	5	19	3	18	40	5.3	4		
56	6	10.2	14	38	1.8	5	27.9	12.1	15	53	2.8	17.4	2	14.1	17	5	3.7	18.3	6	16.1	18	15	4.7	19.2	1.9	18.0	19	24	5.6	20.0	3	9	20	31	6.4	9			

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

58																														UPPER MERIDIAN, CUSP OF 10th H.																													
H. M. S. SID. T. 20 41 41 } ARC 310° 25'.2 } 8°										H. M. S. 20 45 44 } 311° 26'.1 } 9°										H. M. S. 20 49 48 } 312° 26'.9 } 10°										H. M. S. 20 53 50 } 313° 27'.5 } 11°										H. M. S. 20 57 52 } 314° 27'.9 } 12°										H. M. S. 21 1 53 } 315° 28'.1 } 13°									
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																								
Lat.	κ	γ	ϛ	Π	♄	κ	γ	ϛ	Π	♄	κ	γ	ϛ	Π	♄	κ	γ	ϛ	Π	♄	κ	γ	ϛ	Π	♄	κ	γ	ϛ	Π	♄	κ	γ	ϛ	Π	♄																								
22	7.5	12.8	20 20	18.0	12.6	8.7	14.0	21 28	19.0	13.5	9.8	15.3	22 36	20.0	14.5	11.0	16.5	23 43	20.9	15.4	12.1	17.7	24 49	21.9	16.3	13.3	19.0	25 54	22.8	17.2																													
23	5	9	20 45	4	7	6	1	21 54	3	7	8	4	23 2	3	6	10.9	6	24 9	21.2	5	1	9	25 15	22.2	4	2	1	26 21	23.1	4																													
24	4	13.0	21 12	7	9	6	2	22 21	6	8	7	5	23 29	6	8	9	7	24 36	5	7	0	18.0	25 43	5	6	2	2	26 49	4	5																													
25	3	1	21 39	19.0	13.1	5	3	22 48	20.0	14.0	7	6	23 57	9	9	8	9	25 4	9	8	11.9	1	26 11	8	7	1	3	27 18	8	7																													
26	3	2	22 7	3	2	8.4	4	23 17	3	1	6	15.7	24 25	21.3	15.1	7	17.0	25 33	22.2	16.0	9	2	26 40	23.2	9	1	19.5	27 47	24.1	8																													
27	7.2	3	22 36	7	4	4	14.5	23 46	6	3	9.5	8	24 55	6	2	7	1	26 3	6	1	8	4	27 10	5	17.1	0	6	28 17	4	18.0																													
28	1	4	23 6	20.0	5	3	6	24 16	21.0	5	4	9	25 25	22.0	4	10.6	2	26 33	9	3	8	18.5	27 41	9	2	12.9	8	28 48	8	1																													
29	0	13.5	23 37	4	7	2	7	24 47	3	6	4	16.1	25 56	3	6	5	3	27 5	23.3	5	7	6	28 13	24.2	4	9	9	29 20	25.1	3																													
30	0	6	24 9	8	9	8.1	9	25 19	7	8	3	2	26 29	7	7	5	17.5	27 37	6	6	11.6	8	28 46	6	6	8	20.0	29 53	5	5																													
31	6.9	7	24 41	21.1	14.1	1	15.0	25 52	22.1	15.0	9.2	3	27 2	23.0	9	4	6	28 11	24.0	8	6	9	29 19	9	7	8	2	0 27	9	6																													
32	8	8	25 15	5	2	0	1	26 26	5	2	1	4	27 37	4	16.1	3	8	28 46	4	17.0	5	19.1	29 54	25.3	9	7	4	1	2 26.2	8																													
33	7	9	25 51	9	4	7.9	2	27 2	9	3	1	16.6	28 12	8	3	10.3	9	29 21	8	2	4	2	0 30	7	18.1	12.6	6	1 38	6	19.0																													
34	6	14.0	26 27	22.3	6	8	4	27 39	23.3	5	0	7	28 49	24.2	4	2	18.1	29 59	25.2	4	4	4	1	8 26.1	3	5	7	2 16	27.0	2																													
35	5	2	26 5	7	8	7	15.5	28 17	7	7	8.9	9	29 27	6	6	1	2	0 37	6	6	11.3	6	1 46	5	5	5	9	2 55	4	4																													
36	6.4	3	27 44	23.2	15.0	6	7	28 56	24.1	9	8	17.1	0 7	25.1	8	0	4	1 18	26.0	8	3	8	2 26	9	7	4	21.1	3 35	9	6																													
37	3	4	28 25	6	2	5	8	29 37	6	16.1	7	2	0 49	5	17.0	9.9	6	1 59	4	18.0	2	20.0	3	8 27.4	9	3	3	4 16	28.3	8																													
38	2	14.6	29 8	24.1	4	7.4	16.0	0 20	25.0	3	6	4	1 32	26.0	2	8	8	2 43	9	2	1	2	3 52	8	19.1	12.2	6	5 0	8	20.0																													
39	1	8	29 53	6	6	3	2	1 5	5	5	5	6	2 17	4	5	7	19.0	3 28	27.4	4	0	4	4 37	28.3	3	2	8	5 45	29.2	2																													
40	0	9	0 40	25.0	9	2	4	1 52	26.0	8	8.4	8	3 4	9	7	6	2	4 14	9	6	10.9	6	5 24	8	5	1	22.0	6 32	7	4																													
41	5.9	15.1	1 29	5	16.1	1	6	2 41	5	17.0	3	18.0	3 53	27.4	9	5	5	5 3	28.4	8	8	9	6 13	29.3	7	0	3	7 21	0.2	6																													
42	7	3	2 20	26.1	3	0	8	3 32	27.0	2	2	2	4 44	28.0	18.1	9.4	7	5 54	9	19.0	7	21.1	7 4	8	9	11.9	5	8 13	7	8																													
43	6	5	3 13	6	6	6.8	17.0	4 26	6	5	1	4	5 38	5	4	3	9	6 48	29.4	3	6	3	7 58	0.3	20.2	8	8	9 6	1.3	21.1																													
44	4	7	4 9	27.2	8	7	2	5 22	28.2	7	7.9	7	6 34	29.1	6	2	20.1	7 44	30	5	5	6	8 54	9	4	7	23.1	10 2	8	3																													
45	5.3	16.0	5 8	8	17.1	5	5	6 21	7	18.0	8	9	7 33	7	9	0	4	8 43	0.6	8	10.4	9	9 52	1.5	7	6	3	11 0	2.4	6																													
46	2	2	6 11	28.4	4	4	7	7 24	29.3	3	6	19.2	8 35	0.3	19.1	8.9	7	9 45	1.2	20.1	3	22.2	10 54	2.1	21.0	5	6	12 2	3.0	9																													
47	1	4	7 16	29.0	7	6.3	18.0	8 29	30	6	5	5	9 40	9	4	8	21.0	10 50	8	3	1	5	11 59	7	2	11.4	9	13 6	6	22.1																													
48	4.9	7	8 25	7	18.0	2	3	9 38	0.6	9	7.4	8	10 49	1.5	7	7	3	11 59	2.4	6	0	9	13 7	3.3	5	3	24.3	14 14	4.2	4																													
49	8	9	9 39	0.4	3	0	6	10 51	1.3	19.2	3	20.1	12 1	2.2	20.0	5	7	13 10	3.1	9	9.8	23.3	14 18	4.0	8	1	7	15 25	9	7																													
50	6	17.2	10 56	1.1	6	5.8	9	12 8	2.0	5	1	5	13 18	9	3	8.4	22.1	14 26	8	21.2	7	7	15 34	7	22.1	0	25.2	16 40	5.6	23.0																													
51	4	5	12 18	8	19.0	6	19.3	13 29	7	8	6.9	9	14 38	3.6	6	2	5	15 46	4.5	5	5	24.1	16 53	5.4	4	10.8	7	17 58	6.3	4																													
52	2	9	13 45	2.6	3	4	7	14 55	3.5	20.1	7	21.3	16 4	4.4	21.0	0	23.0	17 11	5.3	9	3	6	18 17	6.2	7	6	26.2	19 21	7.1	7																													
53	3.9	18.3	15 17	3.5	6	2	20.1	16 27	4.4	5	6	8	17 34	5.3	4	7.9	5	18 41	6.1	22.2	1	25.1	19 45	7.0	23.1	5	8	20 49	9	24.0																													
54	7	8	16 56	4.4	20.0	0	6	18 4	5.3	9	4	22.3	19 10	6.2	8	7	24.1	20 16	7.0	6	0	7	21 19	9	5	3	27.4	22 22	8.7	3																													
55	5	19.3	18 40	5.3	4	4.8	21.1	19 47	6.2	21.3	2	9	20 52	7.1	22.2	5	7	21 56	9	23.0	8.9	26.4	22 59	8.8	9	2	28.1	24 0	9.6	7																													
56	3	9	20 31	6.4	9	6	7	21 36	7.2	8	0	23.6	22 40	8.1	6	3	25.4	23 43	8.9	4	7	27.2	24 44	9.8	24.4	0	9	25 43	10.6	25.1																													

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									59						
H. M. S. SID. T. 21 5 53 } ARC 316° 28'.2 } 14°					H. M. S. 21 9 52 } 317° 28'.0 } 15°					H. M. S. 21 13 51 } 318° 27'.7 } 16°					H. M. S. 21 17 49 } 319° 27'.2 } 17°					H. M. S. 21 21 46 } 320° 26'.6 } 18°					H. M. S. 21 25 43 } 321° 25'.7 } 19°						
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	
Lat.	°	'	"	"	"	°	'	"	"	"	°	'	"	"	"	°	'	"	"	"	°	'	"	"	"	°	'	"	"	"	
22	14.4	20.2	26.59	23.7	18.1	15.5	21.4	28.4	24.7	19.0	16.7	22.6	29.8	25.6	19.9	17.8	23.7	0.11	26.5	20.9	19.0	24.9	1.14	27.4	21.8	20.1	26.1	2.16	28.3	22.7	
23	3	3	27.27	24.0	3	5	5	28.31	25.0	2	6	7	29.35	9	20.1	8	9	0.39	8	21.0	18.9	25.1	1.42	7	9	1	3	2.44	6	8	
24	3	4	27.55	4	4	4	6	28.59	3	3	6	9	0.4	26.2	2	7	24.1	1	7	27.1	1	9	2	2.10	28.1	22.0	0	4	3.13	29.0	23.0
25	2	6	28.23	7	6	4	8	29.28	6	5	6	23.0	0.33	6	4	7	2	1.36	5	3	9	4	2.40	4	2	0	6	3.42	3	1	
26	2	7	28.53	25.0	7	15.3	9	29.58	26.0	6	5	2	1.3	9	5	7	4	2.6	8	4	8	6	3.10	7	3	0	8	4.12	6	3	
27	14.1	9	29.23	4	9	3	22.1	0.28	3	8	16.5	3	1.33	27.2	7	17.6	5	2.37	28.1	21.6	8	8	3.41	29.1	5	19.9	27.0	4.43	25	4	
28	1	21.0	29.54	7	19.0	2	3	1.0	7	20.0	4	5	2.5	6	9	6	7	3.9	5	8	18.7	26.0	4.12	4	7	9	2	5.15	0.3	23.6	
29	0	2	0.26	26.1	2	2	4	1.32	27.0	1	4	7	2.37	9	21.0	5	9	3.42	8	9	7	2	4.45	7	8	9	4	5.48	6	7	
30	0	3	1.0	4	4	15.1	6	2.5	4	3	3	9	3.11	28.3	2	5	25.1	4	15	29.2	22.1	6	4	5.19	0.1	23.0	8	6	6.22	1.0	9
31	13.9	5	1.34	8	5	1	8	2.40	7	5	3	24.1	3.45	6	4	4	3	4.50	5	3	6	6	5.54	5	2	8	8	6.57	4	24.1	
32	9	7	2.9	27.2	7	0	23.0	3.15	28.1	6	16.2	3	4.21	29.0	5	17.4	5	5.25	9	4	6	8	6.29	8	3	19.7	28.0	7.33	7	2	
33	8	9	2.45	6	9	0	2	3.51	5	8	2	5	4.57	4	7	3	7	6.2	0.3	6	18.5	27.0	7.6	1.2	5	7	3	8.9	2.1	4	
34	7	22.1	3.23	28.0	20.1	14.9	4	4.29	9	21.0	1	7	5.35	8	9	3	26.0	6.40	7	8	5	2	7.44	6	7	7	5	8.47	5	6	
35	7	3	4.2	4	3	9	6	5.8	29.3	2	0	9	6.14	0.2	22.1	2	2	7.19	1.1	23.0	4	5	8.23	2.0	9	6	8	9.26	9	8	
36	13.6	5	4.42	8	5	8	8	5.49	7	4	0	25.1	6.55	6	3	2	4	7.59	5	2	4	7	9.4	4	24.1	19.6	29.0	10	7	3.3	9
37	5	7	5.24	29.2	7	7	24.0	6.31	0.2	6	15.9	4	7.37	1.0	5	17.1	7	8.41	9	4	18.4	28.0	9.45	8	3	5	3	10.49	7	25.1	
38	4	9	6.8	7	9	7	3	7.14	6	8	9	6	8.20	5	7	1	27.0	9.25	2.4	6	3	2	10.29	3.3	5	5	6	11.32	4.2	3	
39	4	23.2	6.53	0.2	21.1	14.6	5	8.0	1.1	22.0	8	9	9.5	9	9	0	2	10.10	8	8	3	5	11.14	7	7	4	8	12.17	6	5	
40	13.3	4	7.40	6	3	5	8	8.47	6	2	7	26.1	9.52	2.4	23.1	0	5	10.57	3.3	24.0	2	8	12.1	4.2	9	19.4	0.1	13	4	5.1	7
41	2	7	8.29	1.1	5	4	25.1	9.36	2.1	4	6	4	10.41	9	3	16.9	8	11.46	8	2	18.2	29.1	12.50	7	25.1	3	4	13.53	6	26.0	
42	1	24.0	9.20	6	7	4	4	10.26	6	6	15.6	7	11.32	3.5	5	8	28.1	12.37	4.4	4	1	4	13.40	5.2	3	3	7	14.43	6.1	2	
43	0	3	10.13	2.2	22.0	14.3	7	11.20	3.1	9	5	27.0	12.25	4.0	7	7	4	13.30	9	6	1	7	14.33	8	5	2	1.1	15.36	6	4	
44	12.9	6	11.9	7	2	2	26.0	12.15	6	23.1	5	3	13.21	5	24.0	6	7	14.25	5.4	9	0	8	15.28	6.3	8	19.2	5	16.31	7.2	6	
45	9	8	12.7	3.3	5	1	3	13.13	4.2	4	4	6	14.18	5.1	2	16.6	29.0	15.22	6.0	25.1	17.9	0.4	16.25	9	26.0	1	9	17.28	7	9	
46	8	25.1	13.9	9	8	0	6	14.14	8	6	15.3	28.0	15.19	7	4	5	4	16.23	6	3	8	8	17.25	7.4	2	1	2.3	18.27	8.3	27.1	
47	7	5	14.13	4.5	23.0	13.9	27.0	15.18	5.4	8	2	4	16.22	6.3	7	5	8	17.26	7.2	6	7	1.2	18.28	8.0	4	0	7	19.29	9	3	
48	5	9	15.20	5.1	2	8	4	16.25	6.0	24.1	1	8	17.28	9	25.0	4	0.3	18.31	8	8	6	7	19.33	6	7	18.9	3.2	20.34	9.5	6	
49	12.4	26.3	16.30	8	5	7	8	17.35	7	4	0	29.3	18.38	7.5	3	16.3	8	19.40	8.4	26.1	5	2.2	20.41	9.3	27.0	8	7	21.42	10.1	9	
50	3	8	17.44	6.5	8	6	28.3	18.48	7.4	7	14.9	8	19.51	8.2	6	2	1.3	20.53	9.1	4	17.5	8	21.53	10.0	3	7	4.3	22.53	8	28.2	
51	2	27.3	19.3	7.2	24.2	13.5	8	20.6	8.1	25.0	7	0.4	21.8	9	9	0	9	22.9	8	8	4	3.4	23.9	6	6	6	9	24.8	11.5	5	
52	0	8	20.25	8.0	5	3	29.4	21.27	8	4	6	1.0	22.28	9.6	26.2	15.9	2.5	23.29	10.5	27.1	3	4.0	24.28	11.3	9	18.5	5.5	25.26	12.2	8	
53	11.9	28.4	21.52	8	8	2	8	22.53	9.6	7	5	6	23.53	10.4	6	8	3.2	24.53	11.3	4	2	7	25.51	12.1	28.2	5	6.2	26.48	13.0	29.2	
54	7	29.1	23.23	9.6	25.2	0	0.7	24.24	10.5	26.0	14.4	2.3	25.23	11.2	9	7	4.0	26.21	12.1	7	1	5.5	27.18	13.0	6	4	7.0	28.14	8	5	
55	6	8	25.0	10.5	6	12.9	1.5	25.59	11.3	4	3	3.1	26.57	12.1	27.3	6	8	27.54	13.0	28.1	16.9	6.4	28.50	8	29.0	3	9	29.45	14.6	8	
56	4	0.7	26.42	11.4	26.0	7	2.4	27.40	12.2	9	1	4.1	28.36	13.0	7	5	5.8	29.32	9	5	7	7.4	0.26	14.7	4	1	8.9	1.20	15.5	0.2	

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

60																									UPPER MERIDIAN, CUSP OF 10th H.																								
H. M. S. SID. T. 21 25 48 } ARC 821° 25'.7 } 19°					H. M. S. 21 29 39 } 822° 24'.7 } 20°					H. M. S. 21 33 34 } 823° 23'.5 } 21°					H. M. S. 21 37 29 } 824° 22'.2 } 22°					H. M. S. 21 41 23 } 825° 20'.6 } 23°					H. M. S. 21 45 16 } 826° 19'.0 } 24°																								
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																			
Lat.	κ	γ	π	π	σ	κ	γ	π	π	σ	κ	γ	π	σ	σ	κ	γ	π	σ	σ	κ	γ	π	σ	σ	κ	γ	π	σ	σ																			
22	20.1	26.1	2 16	28.3	22.7	21.2	27.2	3 17	29.2	23.6	22.4	28.4	4 18	0.1	24.5	23.5	29.5	5 19	1.0	25.4	24.6	0.7	6 19	1.9	26.3	25.7	1.8	7 18	2.8	27.2																			
23	1	3	2 44	6	8	2	4	3 46	5	7	3	6	4 47	4	6	5	7	5 47	3	5	6	8	6 47	2.2	4	7	2.0	7 47	3.1	3																			
24	0	4	3 13	29.0	23.0	2	6	4 15	9	9	3	8	5 16	8	8	4	9	6 17	7	7	6	1.0	7 17	5	6	7	2	8 16	4	5																			
25	0	6	3 42	3	1	1	8	4 44	0.2	24.0	3	29.0	5 46	1.1	9	4	0.1	6 46	2.0	8	6	2	7 47	9	7	7	4	8 46	7	6																			
26	0	8	4 12	6	3	1	28.0	5 14	5	2	3	2	6 16	4	25.1	4	3	7 17	3	26.0	5	4	8 17	3.2	9	7	6	9 17	4.1	8																			
27	19.9	27.0	4 43	σ	4	21.1	2	5 45	9	3	22.2	4	6 47	7	2	23.4	5	7 48	6	1	24.5	7	8 49	5	27.0	25.7	8	9 49	4	9																			
28	9	2	5 15	0.3	23.6	0	4	6 17	1.2	5	2	6	7 19	2.1	4	3	7	8 21	3.0	3	5	9	9 21	9	2	7	3.1	10 21	7	28.1																			
29	9	4	5 48	6	7	0	6	6 50	5	6	2	8	7 52	4	5	3	1.0	8 53	3	4	5	2.1	9 54	4.2	3	6	3	10 54	5.1	2																			
30	8	6	6 22	1.0	9	0	8	7 24	9	8	1	8	8 26	8	7	3	2	9 27	7	26.6	5	4	10 28	6	5	6	6	11 28	4	4																			
31	8	8	6 57	4	24.1	20.9	29.0	7 59	2.3	25.0	1	0.2	9 1	3.1	9	3	4	10 2	4.0	7	4	6	11 3	9	6	6	8	12 3	8	5																			
32	19.7	28.0	7 33	7	2	9	3	8 35	6	1	22.1	5	9 37	5	26.0	23.2	7	10 38	4	9	24.4	9	11 38	5.3	8	25.6	4.1	12 38	6.2	7																			
33	7	3	8 9	2.1	4	9	5	9 12	3.0	3	0	7	10 14	9	2	2	2.0	11 15	8	27.1	4	3.2	12 15	7	28.0	6	4	13 15	5	9																			
34	7	5	8 47	5	6	8	8	9 50	4	5	0	1.0	10 52	4.3	4	2	2	11 53	5.2	2	4	5	12 53	6.1	1	5	7	13 53	9	29.0																			
35	6	8	9 26	9	8	8	8	10 29	8	6	0	3	11 31	7	5	2	5	12 32	6	4	3	7	13 33	5	3	5	5.0	14 32	7.3	2																			
36	19.6	29.0	10 7	3.3	9	20.8	0.3	11 10	4.2	8	21.9	6	12 11	5.1	7	1	8	13 13	6.0	6	3	4.0	14 14	9	4	5	3	15 13	7	4																			
37	5	3	10 49	7	25.1	7	5	11 51	6	26.0	9	8	12 53	5	9	23.1	3.0	13 55	4	8	24.3	3	14 55	7.3	6	25.5	6	15 54	8.2	6																			
38	5	6	11 32	4.2	3	7	8	12 35	5.1	2	9	2.1	13 37	6.0	27.1	1	3	14 38	8	28.0	3	6	15 38	7	8	5	9	16 38	6	7																			
39	4	8	12 17	6	5	6	1.1	13 20	5	4	8	4	14 22	4	3	0	7	15 23	7.3	2	2	9	16 23	8.2	29.0	4	6.3	17 22	9.0	9																			
40	19.4	0.1	13 4	5.1	7	20.6	4	14 7	6.0	6	8	7	15 8	9	5	0	4.0	16 9	7	4	2	5.3	17 9	6	2	4	6	18 8	5	0.1																			
41	3	4	13 53	6	26.0	5	7	14 55	5	8	21.7	3.0	15 56	7.4	7	0	4	16 57	8.2	6	24.2	7	17 57	9.1	4	4	7.0	18 56	9	3																			
42	3	7	14 43	6.1	2	5	2.1	15 45	7.0	27.1	7	4	16 47	9	9	22.9	8	17 46	7	8	1	6.1	18 46	6	6	25.4	4	19 45	10.4	5																			
43	2	1.1	15 36	6	4	4	5	16 38	5	3	6	8	17 38	8.4	28.2	9	5.2	18 38	9.2	29.0	1	5	19 37	10.1	8	4	8	20 36	9	7																			
44	19.2	5	16 31	7.2	6	20.4	9	17 32	8.1	5	6	4.2	18 32	9	4	8	6	19 32	8	3	1	9	20 31	6	σ	3	8.2	21 29	11.5	1.0																			
45	1	9	17 28	7	9	3	3.3	18 29	6	8	5	6	19 29	9.5	6	8	6.0	20 28	10.3	5	24.1	7.3	21 27	11.2	0.2	3	6	22 25	12.0	2																			
46	1	2.3	18 27	8.3	27.1	3	7	19 28	9.2	28.0	21.5	5.0	20 28	10.0	8	7	5	21 27	9	7	0	8	22 25	7	5	3	9.1	23 22	6	4																			
47	0	7	19 29	9	3	2	4.2	20 29	8	2	5	5	21 29	6	29.0	22.7	7.0	22 28	11.5	σ	0	8.3	23 25	12.3	7	25.3	6	24 22	13.1	6																			
48	18.9	3.2	20 34	9.5	6	20.2	7	21 34	10.4	4	4	6.0	22 33	11.2	3	7	5	23 31	12.1	0.2	0	8	24 28	9	1.0	3	10.2	25 24	7	9																			
49	8	7	21 42	10.1	9	1	5.2	22 41	11.0	7	4	6	23 40	8	6	6	8.0	24 37	7	4	23.9	9.4	25 34	13.5	3	2	8	26 30	14.3	2.1																			
50	7	4.3	22 53	8	28.2	0	8	23 52	6	29.0	3	7.2	24 49	12.5	9	6	6	25 46	13.3	7	9	10.0	26 42	14.1	6	2	11.4	27 38	9	4																			
51	6	9	24 8	11.5	5	0	6.4	25 5	12.3	3	21.3	8	26 2	13.1	0.2	6	9.2	26 59	14.0	1.0	9	6	27 54	8	9	25.2	12.1	28 49	15.6	7																			
52	18.5	5.5	25 26	12.2	8	19.9	7.1	26 23	13.0	7	2	8.5	27 19	8	5	22.5	9	28 14	7	4	8	11.3	29 9	15.5	2.2	1	8	0	3	16.3	3.1																		
53	5	6.2	26 48	13.0	29.2	8	8	27 44	8	σ	1	9.3	28 39	14.6	8	4	10.7	29 34	15.4	7	23.8	12.1	0	27	16.2	4	1	13.6	120	17.0	4																		
54	4	7.0	28 14	8	5	7	8.6	29 9	14.6	0.3	0	10.1	0	3	15.4	1.1	3	11.6	0	57	16.2	2.0	7	13.0	1	49	17.0	7	0	14.5	241	7	7																
55	3	9	29 45	14.6	8	6	9.5	0	39	15.4	7	20.9	11.0	1	32	16.2	5	3	12.5	2	24	17.0	3	6	14.0	3	15	7	3.1	24.9	15.5	4	6	18.5	4.0														
56	1	8.9	σ	120	15.5	σ	5	10.5	2	12	16.2	1.1	9	12.0	3	4	17.0	9	2	13.5	3	55	8	7	5	15.1	4	45	18.5	5	9	16.6	5	35	19.3	4													

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												61							
H. M. S. SID. T. 21 49 8 } \approx 25° ARC 327° 17'.1						H. M. S. 21 53 0 } \approx 26° 328° 15'.1						H. M. S. 21 56 52 } \approx 27° 329° 12'.9						H. M. S. 22 0 42 } \approx 28° 330° 10'.6						H. M. S. 22 4 38 } \approx 29° 331° 8'.1						H. M. S. 22 8 22 } \approx 0° 332° 5'.5					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3					
Lat.	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''					
22	26.9	2.9	8 17	3.7	28.1	28.0	4.1	9 16	4.6	29.0	29.1	5.1	10 14	5.4	29.9	0.2	6.2	11 12	6.3	0.8	1.3	7.3	12 9	7.2	1.7	2.4	8.4	13 6	8.0	2.6					
23	8	3.1	8 46	4.0	2	0	3	9 45	9	1	1	3	10 43	7	9	2	5	11 41	6	9	3	6	12 38	5	8	4	7	13 35	3	7					
24	8	3	9 15	3	4	0	5	10 14	5.2	3	1	6	11 12	6.0	0.2	2	7	12 10	9	1.0	3	8	13 8	8	9	4	9	14 4	6	8					
25	8	5	9 46	6	5	0	7	10 44	5	4	1	8	11 43	4	3	2	9	12 40	7.2	2	3	8.0	13 38	8.1	2.1	4	9.1	14 35	9.0	3.0					
26	8	8	10 17	5.0	28.6	0	9	11 15	8	29.5	1	6.0	12 13	7	4	2	7.1	13 11	6	3	3	3	14 9	4	2	4	4	15 6	3	1					
27	26.8	4.0	10 48	3	8	27.9	5.1	11 47	6.2	7	29.1	3	12 45	7.0	6	0.2	4	13 43	9	5	1.3	5	14 40	7	4	2.5	6	15 37	6	3					
28	8	2	11 20	6	9	9	4	12 19	5	8	1	5	13 17	4	7	2	7	14 15	8.2	1.6	3	8	15 13	9.1	5	5	9	16 9	9	4					
29	8	5	11 53	6.0	29.1	9	6	12 52	8	9	1	8	13 51	7	9	2	9	14 48	6	8	3	9.0	15 46	4	7	5	10.2	16 43	10.3	3.5					
30	8	7	12 27	3	3	9	9	13 26	7.2	0.1	1	7.0	14 25	8.1	1.0	2	8.2	15 22	9	9	3	3	16 20	8	8	5	4	17 16	6	7					
31	8	5.0	13 2	7	4	9	6.2	14 1	5	3	1	3	14 59	4	2	2	5	15 57	9.3	2.1	4	6	16 54	10.1	3.0	5	7	17 51	11.0	8					
32	26.7	3	13 38	7.0	6	27.9	4	14 37	9	5	29.1	6	15 35	8	3	0.2	8	16 33	6	2	1.4	9	17 30	5	1	2.5	11.1	18 27	3	4.0					
33	7	6	14 15	4	7	9	7	15 14	8.3	6	1	9	16 12	9.2	5	2	9.1	17 10	10.0	4	4	10.2	18 7	9	3	5	4	19 3	7	1					
34	7	9	14 53	8	9	9	7.0	15 51	7	8	1	8.2	16 50	5	1.7	2	4	17 47	4	5	4	5	18 44	11.2	4	5	7	19 41	12.1	3					
35	7	6.2	15 32	8.2	0.1	9	3	16 30	9.1	1.0	0	5	17 28	9	8	2	7	18 26	8	7	4	9	19 23	6	3.6	5	12.0	20 19	5	5					
36	7	5	16 12	6	2	9	7	17 10	5	1	0	8	18 8	10.3	9	2	10.0	19 6	11.2	9	4	11.2	20 3	12.0	8	5	4	20 59	9	4.6					
37	26.7	8	16 54	9.0	4	27.8	8.0	17 52	9	3	29.0	9.2	18 50	7	2.1	0.2	4	19 47	6	3.1	1.4	6	20 44	4	9	2.6	8	21 40	13.3	7					
38	6	7.1	17 37	4	6	8	3	18 35	10.3	5	0	6	19 32	11.2	3	2	8	20 29	12.0	2	4	9	21 26	8	4.1	6	13.1	22 22	7	9					
39	6	4	18 21	9	8	8	6	19 19	7	7	0	9	20 16	6	5	2	11.1	21 13	4	4	4	12.3	22 10	13.3	3	6	5	23 6	14.1	5.1					
40	6	8	19 7	10.3	1.0	8	9.0	20 5	11.2	9	0	10.3	21 2	12.0	7	2	5	21 59	9	6	4	7	22 55	7	5	6	9	23 50	5	3					
41	6	8.2	19 54	8	2	8	4	20 52	6	2.1	0	7	21 49	5	9	2	9	22 45	13.3	8	4	13.1	23 41	14.2	7	6	14.3	24 37	15.0	5					
42	26.6	6	20 43	11.3	4	27.8	8	21 41	12.1	3	29.0	11.1	22 38	13.0	3.1	0.2	12.3	23 34	8	4.0	1.4	6	24 29	6	9	2.6	8	25 24	4	7					
43	6	9.0	21 34	8	6	8	10.2	22 31	6	5	0	5	23 28	5	3	2	8	24 24	14.3	2	4	14.1	25 19	15.1	5.1	6	15.3	26 14	9	9					
44	5	4	22 27	12.3	8	8	7	23 24	13.1	7	0	12.0	24 20	14.0	5	2	13.3	25 16	8	4	4	6	26 11	6	3	6	8	27 5	16.4	6.1					
45	5	9	23 22	8	2.0	8	11.2	24 18	7	9	0	5	25 14	5	7	2	8	26 10	15.3	7	5	15.1	27 4	16.1	5	7	16.3	27 58	9	3					
46	5	10.4	24 19	13.4	2	7	7	25 15	14.2	3.1	0	13.0	26 10	15.0	9	2	14.3	27 5	8	9	5	6	28 0	6	7	7	8	28 53	17.4	5					
47	26.5	9	25 19	9	5	27.7	12.2	26 14	8	3	29.0	6	27 9	6	4.2	0.2	9	28 4	16.4	5.1	1.5	16.2	28 57	17.2	9	2.7	17.4	29 50	18.0	7					
48	4	11.5	26 21	14.5	7	7	8	27 15	15.3	6	0	14.2	28 10	16.1	4	2	15.5	29 4	9	3	5	8	29 57	7	6.1	7	18.0	0 49	5	7.0					
49	4	12.1	27 25	15.1	3.0	7	13.4	28 19	9	9	0	8	29 13	7	7	2	16.1	0 7	17.5	5	5	17.4	0 59	18.3	3	7	6	1 51	19.1	2					
50	4	8	28 32	7	3	7	14.1	29 26	16.5	4.1	0	15.5	0 19	17.3	5.0	2	8	1 12	18.1	8	5	18.1	2 4	9	6	8	19.3	2 55	7	5					
51	4	13.5	29 42	16.4	6	7	8	0 36	17.1	4	28.9	16.2	1 28	9	3	2	17.5	2 20	7	6.1	5	8	3 11	19.5	9	8	20.0	4 1 20.4	8						
52	26.4	14.2	0 56	17.1	9	27.7	15.6	1 48	8	7	9	17.0	2 40	18.6	6	0.2	18.3	3 31	19.4	4	1.5	19.6	4 21	20.1	7.2	2.8	8	5 11	21.0	8.1					
53	3	15.0	2 12	8	4.2	6	16.4	3 4	18.5	5.0	9	8	3 54	19.3	8	2	19.2	4 44	20.1	7	5	20.5	5 34	8	5	8	21.7	6 23	7	4					
54	3	9	3 32	18.5	5	6	17.3	4 23	19.3	3	9	18.7	5 12	20.0	6.1	2	20.1	6 2	8	7.0	6	21.5	6 50	21.5	8	9	22.7	7 38	22.4	6					
55	3	16.9	4 56	19.3	8	6	18.3	5 45	20.1	6	9	19.7	6 34	8	4	2	21.1	7 22	21.6	3	6	22.5	8 10	22.3	8.1	9	23.8	8 57	23.1	9					
56	3	18.0	6 24	20.1	5.2	6	19.4	7 12	9	6.0	9	20.8	7 59	21.6	8	2	22.2	8 46	22.4	7	6	23.6	9 33	23.1	5	9	25.0	10 18	9	9.2					

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

62 UPPER MERIDIAN, CUSP OF 10th H.																															
H. M. S. SID. T. 22 8 22 } \propto 0° ARC 832° 5'.5 }					H. M. S. 22 12 11 } \propto 1° 833° 2'.8 }					H. M. S. 22 16 0 } \propto 2° 833° 59'.9 }					H. M. S. 22 19 47 } \propto 3° 834° 56'.8 }					H. M. S. 22 23 35 } \propto 4° 835° 53'.7 }					H. M. S. 22 27 22 } \propto 5° 836° 50'.4 }						
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	
Lat.	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	
22	2.4	8.4	13	6	8.0	2.6	3.5	9.5	14	2	8.9	3.5	4.6	10.6	14	5.8	9.7	4.4	5.7	11.6	15	5.4	10.6	5.3	6.8	12.7	16	4.9	11.5	6.1	
23	4	7	13	35	3	7	5	7	14	31	9.2	6	6	8	15	27	10.0	5	7	9	16	23	9	4	8	9	17	18	8	3	
24	4	9	14	4	6	8	5	10	15	1	5	7	6	11	1	15	57	4	6	8	12	1	16	53	11.2	5	9	13	2	17	48
25	4	9	14	35	9.0	3.0	6	2	15	31	8	9	6	3	16	27	7	8	8	4	17	23	5	6	9	4	18	18	4	5	
26	4	4	15	6	3	1	6	5	16	2	10.1	4.0	7	6	16	58	11.0	9	5.8	6	17	54	8	8	6.9	7	18	49	7	6.7	
27	2.5	6	15	37	6	3	3.6	7	16	34	5	1	4.7	8	17	29	3	5.0	8	9	18	25	12.2	9	9	14	0	19	20	13.0	
28	5	9	16	9	9	4	6	11	0	17	6	8	3	7	12	1	18	2	6	2	8	13	2	18	57	5	6.1	9	3	19	52
29	5	10	2	16	43	10.3	3.5	6	3	17	39	11.1	4	7	4	18	35	12.0	3	9	5	19	30	8	2	7.0	6	20	25	7	
30	5	4	17	16	6	7	6	6	18	13	5	4.6	7	7	19	9	3	5	5.9	8	20	4	13.2	3	0	9	20	59	14.0	2	
31	5	7	17	51	11.0	8	6	9	18	47	8	7	8	13	0	19	43	7	5.6	9	14	1	20	38	5	5	0	15	2	21	33
32	2.5	11	1	18	27	3	4.0	3.6	12	2	19	23	12.2	9	4.8	3	20	19	13.0	7	9	4	21	14	9	6.6	1	5	22	9	7
33	5	4	19	3	7	1	7	5	19	59	6	5.0	8	6	20	55	4	9	9	7	21	50	14.2	8	1	8	22	45	15.1	7.6	
34	5	7	19	41	12.1	3	7	8	20	37	9	2	8	9	21	32	8	6.0	6.0	15	0	22	27	6	9	7.1	16	1	23	22	
35	5	12	0	20	19	5	5	7	13	2	21	15	13.3	3	8	14	3	22	11	14.1	2	0	4	23	5	15.0	7.1	2	5	24	0
36	5	4	20	59	9	4.6	3.7	5	21	55	7	5	4.9	7	22	50	5	4	0	8	23	44	4	2	2	9	24	39	16.2	8.1	
37	2.6	8	21	40	13.3	7	7	9	22	35	14.1	7	9	15	0	23	30	9	5	0	16	2	24	25	8	4	2	17	3	25	19
38	6	13	1	22	22	7	9	7	14	3	23	17	5	8	9	4	24	12	15.3	7	0	6	25	6	16.2	6	3	7	26	0	
39	6	5	23	6	14.1	5.1	8	6	24	1	9	6.0	9	8	24	55	8	9	6.1	17	0	25	49	6	8	7.3	18	1	26	43	
40	6	9	23	50	5	3	3.8	15	0	24	45	15.4	2	5.0	16	2	25	40	16.2	7.1	1	4	26	33	17.0	9	3	5	27	27	
41	6	14	3	24	37	15.0	5	8	4	25	31	8	4	0	6	26	25	6	3	1	9	27	19	5	8.1	4	19	0	28	12	
42	2.6	8	25	24	4	7	8	9	26	19	16.3	6	0	17	1	27	12	17.1	5	1	18	4	28	6	9	3	4	5	28	59	
43	6	15	3	26	14	9	9	8	16	4	27	8	7	1	6	28	1	6	7	2	9	28	55	18.4	5	5	20	0	29	47	
44	6	8	27	5	16.4	6.1	3.9	9	27	59	17.2	7.0	5.1	18	1	28	52	18.1	9	6.2	19	4	29	45	9	7	7.5	5	0	37	
45	7	16	3	27	58	9	3	9	17	4	28	51	7	2	1	6	29	44	8.1	2	9	0	36	19.4	9	5	21	1	1	28	
46	7	8	28	53	17.4	5	9	18	0	29	46	18.2	4	2	19	2	0	38	19.1	3	3	20	5	1	30	9	2.2	6	7	22	
47	2.7	17	4	29	50	18.0	7	9	6	0	42	8	6	2	8	1	34	6	4	3	21	1	2	26	20.4	4	6	22	3	3	16
48	7	18	0	49	5	7.0	4.0	19	2	1	41	19.3	8	5.2	20	4	2	32	20.1	6	6.4	7	3	23	9	6	6	9	4	13	7
49	7	6	1	51	19.1	2	0	9	2	42	9	8.1	3	3	21	1	3	33	7	8	4	22	4	23	21.4	8	7.7	23	6	5	12
50	8	19	3	2	55	7	5	0	20	6	3	46	20.5	3	3	8	4	35	21.3	9.1	5	23	1	5	25	22.0	10.0	7	24	3	6
51	8	20	0	4	120.4	8	1	21	3	4	51	21.1	6	4	22	6	5	40	9	4	5	9	6	29	6	3	8	25	1	7	18
52	2.8	8	5	11	21.0	8.1	4.1	22	1	6	0	7	9	5.4	23	4	6	48	22.5	7	6.6	24	7	36	23.2	6	9	9	8	24	24.0
53	8	21	7	6	23	7	4	1	23	0	7	11	22.4	9.1	5	24	3	7	59	23.2	9	7	25	6	8	46	9	8	9	26	8
54	9	22	7	38	22.4	6	2	24	0	8	25	23.1	4	5	25	3	9	12	9	10.2	7	26	6	9	59	24.6	11.0	8	0	27	8
55	9	23	8	8	57	23.1	9	2	25	1	9	43	8	7	5	26	4	10	29	24.6	5	8	27	11	14	25.3	3	1	28	9	11
56	9	25	0	10	18	9	9.2	2	26	3	11	4	24.6	10.0	6	27	6	11	48	25.3	9	9	28	9	12	33	26.0	7	2	0	1

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																												63										
H. M. S. SID. T. 22 31 8 } \times 6° ARC 337° 47'.0						H. M. S. 22 34 54 } \times 7° 338° 43'.4						H. M. S. 22 38 39 } \times 8° 339° 39'.8						H. M. S. 22 42 24 } \times 9° 340° 38'.0						H. M. S. 22 46 9 } \times 10° 341° 32'.2						H. M. S. 22 49 53 } \times 11° 342° 28'.2								
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3								
Lat.	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''								
22	9.0	14.8	18.38	13.2	7.9	10.1	15.8	19.32	14.0	8.8	11.2	16.8	20.26	14.9	9.7	12.2	17.9	21.19	15.7	10.6	13.3	18.9	22.13	16.5	11.5	14.4	19.9	23.6	17.4	12.4								
23	0	15.0	19.7	5	8.1	1	16.1	20.1	3	9	2	17.1	20.55	15.2	8	3	18.1	21.48	16.0	7	4	19.2	22.42	8	6	4	20.2	23.34	7	5								
24	1	3	19.37	8	2	1	3	20.31	6	9.1	2	4	21.25	5	10.0	3	4	22.18	3	9	4	4	23.11	17.1	7	5	4	24.4	18.0	6								
25	1	6	20.7	14.1	3	2	6	21.1	9	2	3	7	21.55	8	1	3	7	22.48	6	11.0	4	7	23.41	4	9	5	7	24.34	3	7								
26	1	8	20.38	4	4	2	9	21.32	15.2	3	3	9	22.25	16.1	2	12.4	19.0	23.19	9	1	5	20.0	24.12	7	12.0	14.6	21.0	25.4	6	9								
27	9.1	16.1	21.9	7	8.6	10.2	17.2	22.3	5	5	11.3	18.2	22.57	4	3	4	3	23.50	17.2	2	13.5	3	24.43	18.0	1	6	3	25.35	9	13.0								
28	2	4	21.41	15.0	7	3	5	22.35	9	9.6	4	5	23.29	7	10.5	5	6	24.22	5	4	6	6	25.15	4	2	7	6	26.7	19.2	1								
29	2	7	22.14	4	8	3	8	23.8	16.2	7	4	8	24.1	17.0	6	5	9	24.54	8	11.5	6	9	25.47	7	4	7	9	26.39	5	2								
30	2	17.0	22.48	7	9.0	4	18.1	23.41	5	9	5	19.1	24.35	3	7	12.6	20.2	25.27	18.2	6	7	21.2	26.20	19.0	12.5	14.8	22.2	27.12	8	4								
31	3	3	23.22	16.0	1	4	4	24.16	9	10.0	5	4	25.9	7	9	6	5	26.1	5	7	13.7	5	26.54	3	6	8	6	27.46	20.2	13.5								
32	9.3	7	23.57	4	3	10.4	7	24.50	17.2	1	11.6	8	25.44	18.0	11.0	7	8	26.36	8	9	8	9	27.29	7	7	9	9	28.20	5	6								
33	4	18.0	24.33	7	4	5	19.1	25.26	6	3	6	20.1	26.19	4	1	7	21.2	27.12	19.2	12.0	8	22.2	28.4	20.0	9	15.0	23.3	28.56	8	8								
34	4	3	25.10	17.1	9.6	5	4	26.3	9	4	7	5	26.56	7	3	12.8	5	27.48	5	2	9	6	28.40	4	13.0	0	6	29.32	21.2	9								
35	4	7	25.47	4	7	6	8	26.40	18.3	10.6	7	9	27.33	19.1	4	8	9	28.25	9	3	14.0	23.0	29.17	7	2	1	24.0	0	9	5	14.0							
36	5	19.1	26.26	8	9	6	20.2	27.19	7	7	11.8	21.3	28.12	5	11.6	9	22.3	29.4	20.3	5	0	4	29.55	21.1	3	1	4	0	47	9	2							
37	9.5	5	27.6	18.2	10.0	10.7	6	27.59	19.0	9	8	7	28.51	9	7	9	7	29.43	7	12.6	1	8	0	34	5	5	2	8	1	25	22.3	3						
38	6	9	27.47	6	2	7	21.0	28.39	4	11.0	9	22.1	29.31	20.3	9	13.0	23.2	0	23	21.1	8	2	24.2	1	14	8	6	15.3	25.3	2	5	7	5					
39	6	20.4	28.29	19.0	3	8	5	29.21	8	2	9	5	0	13	7	12.1	0	6	1	4	5	9	2	7	1	55	22.2	8	4	7	2	46	23.0	7				
40	6	8	29.12	4	5	8	9	0	4	20.3	4	12.0	23.0	0	56	21.1	2	1	24.1	1	47	9	13.1	14.3	25.1	2	37	6	14.0	4	26.2	3	27	4	8			
41	6	21.3	29.57	9	7	9	22.4	0	48	7	6	1	5	1	40	5	4	1	6	2	30	22.3	3	4	6	3	21	23.1	1	5	7	4	10	8	15.0			
42	9.7	8	0	43	20.3	9	11.0	9	1	34	21.1	7	1	24.0	2	25	9	6	2	25.1	3	15	7	5	5	26.1	4	5	5	3	6	27.3	4	55	24.3	2		
43	7	22.3	1	30	8	11.1	0	23.4	2	21	6	9	2	5	3	12	22.4	8	13.3	6	4	2	23.1	6	5	6	4	51	9	5	15.6	8	5	40	7	3		
44	8	9	2	19	21.3	3	1	24.0	3	10	22.1	12.1	2	25.0	4	0	8	13.0	4	26.1	4	50	6	8	6	27.2	5	39	24.4	7	7	28.4	6	28	25.2	5		
45	9	23.4	3	10	7	5	2	5	4	0	5	3	12.3	6	4	50	23.3	2	4	7	5	39	24.1	14.0	14.6	8	6	28	8	8	8	29.0	7	16	6	7		
46	9	24.0	4	2	22.2	7	2	25.1	4	52	23.0	5	3	26.2	5	41	8	3	5	27.3	6	30	6	2	7	28.4	7	18	25.3	15.0	9	6	8	6	26.1	8		
47	10.0	6	4	56	7	9	11.3	7	5	45	5	7	4	8	6	34	24.2	5	13.6	9	7	23	25.1	4	8	29.0	8	11	8	2	16.0	0	3	8	58	6	16.0	
48	1	25.3	5	52	23.2	12.1	3	26.4	6	41	24.0	9	5	27.5	7	29	7	7	7	28.6	8	17	6	6	9	7	9	5	26.3	4	1	9	9	52	27.1	2		
49	1	26.0	6	50	7	3	4	27.1	7	38	5	13.1	12.6	28.2	8	26	25.3	9	8	29.3	9	13	26.1	8	15.0	0	4	10	0	8	6	2	1.6	10	47	6	4	
50	2	7	7	50	24.3	5	5	8	8	38	25.1	3	7	29.0	9	25	8	14.1	9	0	1	10	12	6	15.0	1	1.2	10	58	27.3	8	3	2.3	11	44	28.1	6	
51	3	27.5	8	53	9	8	6	28.6	9	40	7	6	8	8	10	26	26.4	3	14.0	9	11	12	27.2	2	2	2.0	11	58	9	16.1	16.4	3.1	12	43	7	8		
52	10.4	28.4	9	58	25.5	13.0	11.7	29.5	10	44	26.3	9	9	0	7	11	30	27.0	6	2	1.8	12	15	8	5	3	9	13	0	28.5	3	6	4.0	13	44	29.3	17.1	
53	5	29.3	11	5	26.1	2	8	0	5	11	50	9	14.1	13.0	1.7	12	35	6	8	3	2.8	13	20	28.4	7	15.5	3	9	14	4	29.1	5	7	5.0	14	48	9	3
54	6	0	3	12	15	8	5	8	1.5	12	59	27.5	3	1	2.7	13	44	28.2	15.1	4	3.8	14	27	29.0	16.0	6	4.9	15	11	7	7	9	6.1	15	54	0.5	5	
55	7	1.4	13	28	27.5	8	9	2.6	14	11	28.2	6	2	3.8	14	54	9	4	5	4.9	15	37	6	2	8	6.0	16	20	0.3	17.0	17.0	7.2	17	2	1.1	8		
56	8	2.6	14	43	28.2	14.1	12.0	3.8	15	26	9	9	3	5.0	16	8	29.6	7	7	6.2	16	50	0.3	5	9	7.3	17	32	1.0	3	1	8.5	18	13	8	18.1		

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

64																														UPPER MERIDIAN, CUSP OF 10th H.																													
H. M. S. SID. T. 22 49 53 } ARC 342° 28'.2 } 11°										H. M. S. 22 53 37 } 343° 24'.1 } 12°										H. M. S. 22 57 20 } 344° 20'.0 } 13°										H. M. S. 23 1 8 } 345° 15'.7 } 14°										H. M. S. 23 4 46 } 346° 11'.4 } 15°										H. M. S. 23 8 28 } 347° 7'.0 } 16°									
H.	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8	11	12	1	2	8																								
Lat.	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''																								
22	14.4	19.9	23	6	17.4	15.4	20.9	23	59	18.2	13.3	16.5	21.9	24	50	19.0	14.2	17.6	22.9	25	42	19.9	15.1	18.6	23.9	26	34	20.7	16.0	19.7	24.8	27	26	21.6	16.9																								
23	4	20.2	23	34	7	5	5	21.2	24	27	5	4	6	22.2	25	19	3	3	6	23.2	26	11	20.2	2	7	24.1	27	3	21.0	1	7	25.1	27	55	8	17.0																							
24	5	4	24	4	18.0	6	5	4	24	57	8	5	6	5	25	49	6	4	7	4	26	41	4	3	7	4	27	32	3	2	8	4	28	24	22.1	1																							
25	5	7	24	34	3	7	6	7	25	27	19.1	6	7	8	26	19	9	5	7	7	27	10	7	4	8	7	28	2	6	3	9	7	28	53	4	2																							
26	14.6	21.0	25	4	6	9	6	22.0	25	57	4	7	16.7	23.1	26	49	20.2	14.6	17.8	24.0	27	41	21.0	15.5	9	25.0	28	32	9	4	9	26.0	29	24	7	3																							
27	6	3	25	35	9	13.0	15.7	3	26	28	7	9	8	4	27	20	5	8	8	3	28	11	3	6	9	3	29	3	22.2	16.5	20.0	3	29	54	23.0	4																							
28	7	6	26	7	19.2	1	7	6	27	0	20.0	14.0	8	7	27	51	8	9	9	7	28	43	7	8	19.0	7	29	34	5	6	1	7	0	25	3	17.5																							
29	7	9	26	39	5	2	8	9	27	32	3	1	9	24.0	28	23	21.2	15.0	18.0	25.0	29	15	22.0	9	1	26.0	0	6	8	8	1	27.0	0	57	6	6																							
30	14.8	22.2	27	12	8	4	9	23.3	28	5	7	2	17.0	3	28	56	5	1	0	3	29	47	3	16.0	1	3	0	38	23.1	9	2	3	1	29	9	8																							
31	8	6	27	46	20.2	13.5	9	6	28	38	21.0	4	0	6	29	29	8	3	1	6	0	20	6	1	2	6	1	11	4	17.0	20.3	6	2	2	24.3	9																							
32	9	9	28	20	5	6	16.0	9	29	12	3	14.5	1	25.0	0	3	22.1	4	2	26.0	0	54	9	3	3	27.0	1	45	8	1	4	28.0	2	36	6	18.0																							
33	15.0	23.3	28	56	8	8	1	24.3	29	47	7	6	2	3	0	38	5	15.5	3	3	1	29	23.3	4	19.3	4	2	20	24.1	3	4	4	3	10	9	1																							
34	0	6	29	32	21.2	9	1	7	0	23	22.0	8	2	7	1	14	8	6	18.3	7	2	5	6	16.5	4	8	2	55	4	4	5	8	3	45	25.2	3																							
35	1	24.0	0	9	5	14.0	2	25.1	1	0	4	9	17.3	26.1	1	51	23.2	8	4	27.1	2	41	24.0	7	5	28.2	3	32	8	17.5	20.6	29.2	4	21	6	4																							
36	1	4	0	47	9	2	3	5	1	38	7	15.1	4	5	2	28	5	9	5	5	3	19	3	8	6	6	4	9	25.1	7	7	6	4	58	9	18.5																							
37	2	8	1	25	22.3	3	16.3	9	2	16	23.1	2	5	9	3	6	9	16.1	6	28.0	3	57	7	9	19.7	29.0	4	46	5	8	8	8	5	36	26.3	7																							
38	15.3	25.3	2	5	7	5	4	26.3	2	56	5	4	5	27.4	3	45	24.3	2	18.7	4	4	36	25.0	17.1	7	5	5	25	8	9	9	0.5	6	14	6	8																							
39	4	7	2	46	23.0	7	4	8	3	36	8	5	17.6	8	4	26	6	4	8	9	5	16	4	2	8	9	6	5	26.2	18.1	21.0	9	6	54	27.0	19.0																							
40	4	26.2	3	27	4	8	5	27.3	4	18	24.2	7	7	28.3	5	7	25.0	5	8	29.4	5	56	8	4	9	0.4	6	45	6	3	0	1.4	7	34	4	1																							
41	5	7	4	10	8	15.0	16.6	8	5	0	6	8	8	9	5	49	4	7	9	9	6	38	26.2	6	20.0	9	7	27	27.0	4	1	2.0	8	16	8	3																							
42	6	27.3	4	55	24.3	2	7	28.3	5	44	25.1	16.0	9	29.4	6	33	8	9	19.0	0.4	7	22	6	7	1	1.5	8	10	4	6	2	5	8	58	28.2	4																							
43	15.6	8	5	40	7	3	8	9	6	29	5	2	18.0	11	7	18	26.3	17.0	1	1.0	8	6	27.0	9	2	2.0	8	54	8	7	3	3.0	9	42	6	19.6																							
44	7	28.4	6	28	25.2	5	9	29.5	7	16	9	4	1	0.6	8	5	7	2	2	6	8	52	5	18.1	3	6	9	40	28.3	9	21.5	6	10	27	29.0	7																							
45	8	29.0	7	16	6	7	17.0	0.1	8	4	26.4	6	2	1.2	8	53	27.2	4	3	2.2	9	40	9	2	20.4	3.2	10	27	7	19.1	6	4.2	11	14	5	9																							
46	9	6	8	6	26.1	8	1	7	8	54	8	7	3	8	9	42	6	6	4	8	10	29	28.4	3	6	8	11	16	29.1	3	7	8	12	2	9	20.0																							
47	16.0	0.3	8	58	6	16.0	2	1.3	9	46	27.3	9	4	2.4	10	33	28.1	7	19.5	3.4	11	19	8	5	7	4.4	12	5	5	4	9	5.5	12	51	0.4	2																							
48	1	9	9	52	27.1	2	3	9	10	39	8	17.1	18.5	3.1	11	25	6	9	7	4.1	12	11	29.3	7	8	5.1	12	57	8	6	22.0	6.2	13	42	8	4																							
49	2	1.6	10	47	6	4	17.4	2.6	11	33	28.3	3	6	8	12	19	29.1	18.1	8	9	13	5	8	9	21.0	8	13	49	0.5	8	1	9	14	35	1.3	6																							
50	3	2.3	11	44	28.1	6	5	3.4	12	29	8	5	7	4.5	13	15	6	3	9	5.6	14	0	0.3	19.1	1	6.6	14	44	1.0	9	3	7.7	15	29	8	8																							
51	16.4	3.1	12	43	7	8	6	4.2	13	28	29.4	7	9	5.3	14	12	0.1	5	20.1	6.4	14	57	8	3	3	7.4	15	41	5	20.1	5	8.5	16	24	2.3	21.0																							
52	6	4.0	13	44	29.3	17.1	8	5.1	14	28	8	18.0	19.0	6.2	15	12	7	7	2	7.3	15	56	1.4	5	4	8.3	16	40	2.1	3	7	9.4	17	22	8	2																							
53	7	5.0	14	48	9	3	18.0	6.1	15	31	0.6	2	2	7.2	16	14	1.3	9	4	8.3	16	57	2.0	8	6	9.3	17	40	7	6	9	10.4	18	22	3.4	4																							
54	9	6.1	15	54	0.5	5	1	7.2	16	36	1.2	4	3	8.3	17	18	9	19.1	6	9.3	18	1	6	20.0	8	10.4	18	43	3.3	8	23.0	11.4	19	24	4.0	6																							
55	17.0	7.2	17	2	1.1	8	3	8.3	17	44	8	6	5	9.4	18	25	2.5	4	8	10.4	19	6	3.2	2	22.0	11.5	19	47	9	21.0	2	12.5	20	28	6	8																							
56	1	8.5	18	13	8	18.1	4	9.6	18	54	2.5	9	7	10.7	19	34	3.1	7	21.0	11.7	20	15	8	5	2	12.8	20	55	4.5	3	5	13.7	21	35	5.2	22.1																							

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.																									65					
H. M. S. SID. T. 23 12 10 } \times ARC 848° 2'.5 } 17°					H. M. S. 23 15 52 } \times 18°					H. M. S. 23 19 33 } \times 19°					H. M. S. 23 23 15 } \times 20°					H. M. S. 23 26 56 } \times 21°					H. M. S. 23 30 37 } \times 22°					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3
Lat.	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''
22	20.7	25.8	28 17	22.4	17.7	21.8	26.8	29 8	23.2	18.6	22.8	27.7	29 59	24.1	19.5	23.8	28.7	0 50	24.9	20.4	24.9	29.6	1 40	25.7	21.3	25.9	0.6	2 31	26.5	22.2
23	8 26.1	28 46	7	9	8 27.1	29 37	5	7	9 28.0	0 28	3	6	9 29.0	1 18	25.2	5	9	9 2	8 26.0	4	26.0	9	2 59	8	3					
24	8 4 29 15	23.0	18.0	9	4 0 6	8	9	9 3 0 56	6	7	24.0	3 1 47	4	6	25.0	0.2	2 37	3	5	0	1.2	3 27	27.1	4						
25	9 7 29 44	2	1	22.0	7 0 35	24.1	19.0	23.0	6 1 26	9	9	0 6 2 16	7	7	1	5 3 6	5	6	1	5 3 56	4	5								
26	21.0	27.0	0 14	5	2	0 28.0	1 5	4	1	1	9 1 55	25.2	20.0	1	9	2 46	26.0	9	2	9 3 36	8	7	2	8 4 26	6	22.6				
27	0	3 0 45	8	3	1	3 1 35	7	2	2 29.3	2 26	5	1	2 0.2	3 16	3 21.0	3	1.2	4 6 27.1	8	26.3	2.1	4 56	9	7						
28	1	6 1 16	24.1	4	2	6 2 6 25.0	3	2	6 2 56	8	2	24.3	5 3 46	6	1	25.3	5 4 36	4	22.0	4	5 5 26	28.2	8							
29	2 28.0	1 48	4 18.5	22.3	9 2 38	3	4	23.3	9 3 28	26.1	3	4	9 4 18	9	2	4	8 5 7	7	1	5	8 5 57	5	9							
30	3	3 2 20	8	6	3 29.3	3 10	6 19.5	4	0.2	4 0	4	4	5 1.2	4 49	27.2	3	5	2.2	5 39	28.0	2	6 3.1	6 28	8 23.1						
31	21.4	6 2 52	25.1	8	4	6 3 43	9	7	5	6 4 32	7	20.5	6	6 5 22	5	4	6	5 6 11	3	3 26.7	5	7 0 29.1	2							
32	4 29.0	3 26	4	9	5	4 16 26.2	8	6	9 5 6 27.0	6	24.7	9	5 55	8 21.5	25.7	9	6 44	6	4	8	9 7 33	4	3							
33	5	4 4 0	7 19.0	22.6	0.4	4 50	5	9	23.7	1.3	5 39	3	8	8 2.3	6 28	28.1	6	8	3.3	7 17	9 22.5	9	4.2	8 6	7	4				
34	6	8 4 35	26.0	1	7	8 5 25	8 20.0	8	7	6 14	6	9	9 7 7 3	4	8	9	7 7 51	29.2	6	27.0	6 8 40	23.5								
35	21.7	0.2	5 11	4	3	8 1.2	6 0 27.2	1	9	2.1	6 49	28.0	21.0	25.0	3.1	7 38	8	9	26.0	4.1	8 26	6	8	1	5.1	9 15	0.4	6		
36	8	6 5 47	7	4	9	6 6 36	5	3	24.0	6 7 25	3	1	1	5 8 13	29.1	22.0	1	5	9 2	9	9	2	5 9 50	7	7					
37	9	1.0	6 25	27.1	19.5	23.0	2.0	7 13	9	4	1	3.0	8 2	7	3	2	4.0	8 50	4	1	2	5.0	9 39	0.2	23.0	3	9	10 26	1.0	9
38	9	4 7 3	4	7	1	4 7 51	28.2	20.5	2	4	8 40	29.0	4	3	4	9 28	8	3	4	4 10 15	6	1	27.4	6.4	11 3	4	24.0			
39	22.0	9 7 42	8	8	2	9 8 30	6	7	3	9 9 18	4	21.5	4	9 10 6	0.2	4	26.5	9 10 53	9	3	6	9 11 41	7	1						
40	1	2.4	8 22	28.2	20.0	3	3.4	9 10	29.0	8	4	4.4	9 58	7	7	25.5	5.4	10 45	5	22.5	6	6.4	11 32	1.3	4	7	7.4	12 19	2.1	3
41	2	3.0	9 3	6	1	4	4.0	9 51	4	21.0	24.5	5.0	10 38	0.1	8	6	9 11 26	9	7	7	9 12 12	7	23.5	8	9	12 59	5	4		
42	3	5	9 46	29.0	3	23.6	5 10 33	8	1	7	5 11 20	5	22.0	7	6.4	12 7	1.3	8	9	7.5	12 53	2.1	7	28.0	8.5	13 39	8	24.5		
43	22.5	4.0	10 29	4	4	7	5.0	11 17	0.2	3	8	6.0	12 3	9	1	8	7.0	12 49	7	23.0	27.0	8.1	13 35	5	8	1	9.0	14 21	3.2	7
44	6	6 11 14	8	6	8	6 12 1	6	4	9	6 12 47	1.3	3	9	6 13 33	2.1	1	1	7 14 19	9	24.0	3	6 15	4	6	8					
45	7	5.2	12 0	0.3	8	9	6.2	12 46	1.0	21.6	25.0	7.2	13 32	8	5	26.1	8.2	14 18	5	3	2	9.3	15 3	3.3	1	4	10.2	15 48	4.0	25.0
46	9	9 12 47	7	21.0	24.0	9 13 33	5	8	2	9 14 19	2.2	22.6	3	8 15	4	3.0	5	4	9 15 48	7	3	28.5	9 16 33	5	1					
47	23.0	6.6	13 36	1.2	1	2	7.5	14 22	9	9	3	8.6	15 7	6	7	5	9.5	15 51	4	23.6	27.6	10.6	16 35	4.1	4	7	11.6	17 20	9	2
48	1	7.2	14 26	6	2	4	8.2	15 12	2.3	22.0	5	9.3	15 56	3.0	9	7	10.2	16 40	8	8	8	11.3	17 23	5	24.5	9	12.3	18 8	5.3	3
49	3	9 15 18	2.0	4	5	9.0	16 3	8	2	6	10.0	16 47	5	23.1	8	9	17 30	4.2	9	9	12.0	18 13	5.0	7	29.1	13.0	18 57	7	25.5	
50	5	8.7	16 12	5	6	6	7 16 56	3.3	4	8	7 17 39	4.0	3	27.0	11.7	18 22	7	24.1	28.1	7	19 5	5	9	3	7	19 48	6.2	7		
51	7	9.5	17 8	3.0	8	8	10.5	17 51	8	6	26.0	11.5	18 33	5	5	2	12.5	19 16	5.2	3	4	13.5	19 58	6.0	25.1	5	14.5	20 40	7	9
52	9	10.4	18 5	5	22.0	25.1	11.4	18 47	4.3	8	3	12.4	19 29	5.0	7	4	13.4	20 11	7	4	6	14.4	20 53	5	3	8	15.4	21 34	7.2	26.1
53	24.1	11.4	19 5	4.1	2	3	12.4	19 46	8	23.0	5	13.4	20 27	5	8	7	14.4	21 8	6.2	6	8	15.4	21 50	7.0	5	8	16.4	22 30	7	3
54	2	12.5	20 6	7	4	5	13.5	20 46	5.4	2	7	14.5	21 27	6.1	24.0	9	15.5	22 7	8	8	29.1	16.4	22 48	5	7	0.2	17.4	23 28	8.2	5
55	4	13.6	21 9	5.3	6	7	14.6	21 49	6.0	4	9	15.6	22 29	7	2	28.1	16.6	23 9	7.4	25.0	3	17.5	23 48	8.1	9	5	18.5	24 28	8	7
56	6	14.9	22 14	9	9	26.0	15.9	22 54	6	7	27.1	16.8	23 33	7.3	5	3	17.8	24 12	8.0	3	5	18.7	24 50	7	26.2	7	19.7	25 29	9.4	9

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

66																									UPPER MERIDIAN, CUSP OF 10th H.																								
H. M. S. SID. T. 23 30 37 } \times 22° ARC 352° 39'.2					H. M. S. 23 34 18 } \times 23° 353° 34'.4					H. M. S. 23 37 58 } \times 24° 354° 29'.6					H. M. S. 23 41 39 } \times 25° 355° 24'.7					H. M. S. 23 45 19 } \times 26° 356° 19'.8					H. M. S. 23 48 59 } \times 27° 357° 14'.8																								
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3																			
Lat.	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''	°	'	''	'''	'''																			
22	25.9	0.6	2 31	26.5	22.2	26.9	1.5	3 20	27.4	23.1	27.9	2.4	4 11	28.2	24.0	28.9	3.4	5 1	29.0	24.9	0.0	4.3	5 50	29.8	25.8	1.0	5.2	6 40	0.7	26.7																			
23	26.0	9	2 59	8	3	27.0	8	3 49	6	2	28.0	7	4 39	5	1	29.0	7	5 29	3	25.0	1	6	6 18	0.1	9	1	5	7 7	9	8																			
24	0	1.2	3 27	27.1	4	1	2.1	4 17	9	3	1	3.0	5 7	7	2	1	4.0	5 57	5	1	1	9	6 46	4	26.0	2	8	7 35	1.2	9																			
25	1	5	3 56	4	5	2	4	4 46	28.2	4	2	4	5 36	29.0	3	2	3	6 25	8	2	2	5.2	7 15	6	1	3	6.1	8 4	4	27.0																			
26	2	8	4 26	6	22.6	3	7	5 15	5	5	3	7	6 5	3	4	3	6	6 54	0.1	3	3	6	7 43	9	2	4	5	8 33	7	1																			
27	26.3	2.1	4 56	9	7	27.3	3.1	5 45	7	23.6	4	4.0	6 34	6	24.5	4	5.0	7 24	4	4	0.4	9	8 13	1.2	3	1.5	8	9 2	2.0	2																			
28	4	5	5 26	28.2	8	4	4	6 15	29.0	7	28.5	3	7 4	8	6	29.5	3	7 54	6	25.5	5	6.2	8 42	5	4	6	7.1	9 31	3	3																			
29	5	8	5 57	5	9	5	7	6 46	3	8	6	7	7 35	0.1	7	6	6	8 24	9	6	7	6	9 13	7	26.5	7	5	10 1	6	4																			
30	6	3.1	6 28	8	23.1	6	4.1	7 17	6	9	7	5.0	8 6	4	8	7	6.0	8 55	1.2	7	8	9	9 43	2.0	6	8	8	10 32	8	27.5																			
31	26.7	5	7 0	29.1	2	27.7	4	7 49	9	24.0	8	4	8 38	7	9	8	3	9 26	5	8	9	7.2	10 15	3	7	9	8.2	11 3	3.1	6																			
32	8	9	7 33	4	3	8	8	8 22	0.2	2	9	7	9 10	1.0	25.0	9	7	9 59	8	9	1.0	6	10 46	6	8	2.0	6	11 34	4	7																			
33	9	4.2	8 6	7	4	9	5.2	8 55	5	3	29.0	6.1	9 43	3	1	8	7.1	10 31	2.1	26.0	1	8.0	11 19	9	9	2	9.0	12 7	7	8																			
34	27.0	6	8 40	0.1	23.5	28.0	6	9 28	8	4	1	5	10 16	6	3	0.2	5	11 4	4	1	2	4	11 52	3.2	27.0	3	4	12 40	4.0	9																			
35	1	5.1	9 15	0.4	6	1	6.0	10 3	1.2	24.5	2	7.0	10 51	2.0	4	3	9	11 38	8	2	4	8	12 26	5	1	4	8	13 13	3	28.0																			
36	2	5	9 50	7	7	3	5	10 38	5	6	3	4	11 25	3	25.5	4	8.3	12 13	3.1	4	1.5	9.3	13 0	9	2	2.5	10.2	13 47	7	1																			
37	3	9	10 26	1.0	9	4	9	11 13	8	7	29.5	9	12 1	6	6	5	8	12 48	4	26.5	6	7	13 35	4.2	4	7	7	14 22	5.0	2																			
38	27.4	6.4	11 3	4	24.0	28.5	7.4	11 50	2.2	9	6	8.3	12 37	3.0	7	0.7	9.3	13 24	7	6	8	10.2	14 11	5	27.5	8	11.1	14 58	3	3																			
39	6	9	11 41	7	1	6	9	12 28	5	25.0	7	8	13 14	3	8	8	8	14 1	4.1	7	9	7	14 48	9	6	3.0	6	15 34	6	4																			
40	7	7.4	12 19	2.1	3	8	8.4	13 6	8	1	8	9.3	13 53	6	26.0	9	10.3	14 39	4	8	2.0	11.2	15 25	5.2	7	1	12.1	16 11	9	28.6																			
41	8	9	12 59	5	4	9	9	13 45	3.1	2	8	8	14 32	4.0	1	1.1	8	15 18	8	27.0	1	7	16 3	6	8	3	6	16 49	6.2	7																			
42	28.0	8.5	13 39	8	24.5	29.1	9.4	14 26	5	4	0.1	10.4	15 12	4	2	2	11.3	15 57	5.2	1	3	12.2	16 43	9	28.0	5	13.2	17 28	6	8																			
43	1	9.0	14 21	3.2	7	2	10.0	15 7	9	25.5	3	9	15 53	7	4	4	9	16 38	5	2	5	8	17 23	6.3	1	6	7	18 8	7.0	9																			
44	3	6	15 4	6	8	4	6	15 50	4.3	7	4	11.5	16 35	5.1	26.5	6	12.5	17 20	9	4	6	13.4	18 4	7	2	8	14.3	18 49	3	29.1																			
45	4	10.2	15 48	4.0	25.0	5	11.2	16 33	7	8	6	12.2	17 18	5	7	7	13.1	18 2	6.3	27.5	8	14.0	18 47	7.1	4	4.0	9	19 31	7	2																			
46	28.5	9	16 33	5	1	7	9	17 18	5.1	26.0	8	8	18 2	9	8	9	7	18 46	7	7	3.0	7	19 30	5	28.5	2	15.6	20 14	8.1	3																			
47	7	11.6	17 20	9	2	9	12.5	18 4	5	1	1.0	13.5	18 48	6.3	9	2.1	14.4	19 31	7.1	8	2	15.4	20 15	9	7	3	16.3	20 58	5	4																			
48	9	12.3	18 8	5.3	3	8	13.2	18 51	9	2	2	14.2	19 35	7	27.1	3	15.1	20 18	5	9	4	16.1	21 1	8.3	8	5	17.0	21 44	9	29.6																			
49	29.1	13.0	18 57	7	25.5	0.2	14.0	19 40	6.4	4	4	9	20 23	7.1	2	5	8	21 6	9	28.1	6	8	21 48	7	9	7	7	22 30	9.3	7																			
50	3	7	19 48	6.2	7	4	7	20 31	9	6	6	15.6	21 13	6	4	7	16.6	21 55	8.4	2	8	17.5	22 37	9.1	29.0	9	18.5	23 19	8	8																			
51	5	14.5	20 40	7	9	7	15.5	21 22	7.4	8	8	16.4	22 4	8.1	6	9	17.4	22 45	8	4	4.1	18.3	23 27	5	1	5.1	19.3	24 8	10.2	mg																			
52	8	15.4	21 34	7.2	26.1	9	16.4	22 16	9	27.0	2.0	17.3	22 57	6	8	3.2	18.3	23 38	9.3	6	4	19.2	24 19	10.0	3	4	20.2	24 59	7	0.1																			
53	8	16.4	22 30	7	3	1.2	17.3	23 11	8.4	1	2	18.3	23 52	9.1	28.0	4	19.2	24 31	8	8	7	20.1	25 12	5	5	7	21.1	25 52	11.2	3																			
54	0.2	17.4	23 28	8.2	5	4	18.3	24 8	9	3	5	19.3	24 48	6	1	7	20.2	25 27	10.3	9	9	21.1	26 7	11.0	7	6.0	22.1	26 46	7	5																			
55	5	18.5	24 28	8	7	7	19.4	25 7	9.5	5	8	20.4	25 46	10.1	3	4.0	21.3	26 25	8	29.1	5.2	22.2	27 4	5	9	3	23.1	27 42	12.2	7																			
56	7	19.7	25 29	9.4	9	2.0	20.6	26 8	10.1	7	3.2	21.6	26 46	7	5	3	22.5	27 24	11.4	4	5	23.4	28 2	12.1	0.1	6	24.3	28 40	7	9																			

TABLE OF HOUSES FOR LATITUDES 22° TO 56°.

UPPER MERIDIAN, CUSP OF 10th H.

67

H. M. S. SID. T. 23 52 40 } \propto ARC 358° 9'.9 } 28°						H. M. S. 23 56 20 } \propto 29° 359° 5'.0 }						H. M. S. 24 0 0 } \propto 0° 360° 0'.0 }					
H.	11	12	1	2	3	11	12	1	2	3	11	12	1	2	3		
Lat.	8	II	25	Q	Q	8	II	25	Q	Q	8	II	25	Q	Q		
22	2.0	6.1	7 29	1.5	27.6	3.0	7.0	8 19	2.3	28.5	4.0	7.9	9 8	3.2	29.4		
23	1	4	7 57	8	7	1	3	8 46	6	6	1	8.2	9 35	4	5		
24	2	7	8 25	2.0	8	2	6	9 14	8	7	2	6 10	3	7	6		
25	3	7.1	8 53	3	9	3	8.0	9 42	3.1	8	3	9 10	31	9	7		
26	4	4	9 22	5	28.0	4	3 10	10	4	9	4	9.2	10 59	4.2	29.8		
27	2.5	7	9 51	8	1	3.5	6 10	39	6	29.0	4.5	6 11	27	5	8		
28	6	8.1	10 20	3.1	2	6	9.0	11 9	9	0	6	9 11	56	7	9		
29	7	4	10 50	4	3	7	3 11	38	4.2	1	7	10.2	12 26	5.0	π		
30	8	7	11 20	7	3	8	7 12	8	5	2	8	6 12	56	3	0.1		
31	9	9.1	11 51	9	28.4	4.0	10.0	12 39	8	29.3	9	11.0	13 26	6	2		
32	3.1	5	12 23	4.2	5	1	4 13	10	5.0	4	5.0	3 13	57	8	3		
33	2	9	12 55	5	6	2	8 13	42	3	5	2	7 14	29	6.1	4		
34	3	10.3	13 27	8	7	4	11.2	14 15	6	6	3	12.1	15 1	4	5		
35	5	7	14 1	5.1	9	4.5	6 14	47	9	29.7	4	5 15	34	7	0.6		
36	3.6	11.1	14 34	5	29.0	7	12.1	15 21	6.2	8	5.6	13.0	16 8	7.0	7		
37	8	6	15 9	8	1	8	5 15	55	6	9	7	4 16	42	3	8		
38	9	12.1	15 44	6.1	2	5.0	13.0	16 30	9	0.1	9	9 17	16	7	9		
39	4.0	5	16 20	4	3	1	5 17	6	7.2	2	6.1	14.4	17 52	8.0	1.0		
40	1	13.0	16 57	7	4	2	14.0	17 43	5	3	3	9 18	28	3	1		
41	3	6	17 35	7.0	29.5	4	5 18	20	9	4	4	15.4	19 5	7	2		
42	5	14.1	18 13	4	7	6	15.0	18 58	8.3	0.5	6	9 19	43	9.0	4		
43	7	7	18 53	7	8	8	6 19	38	6	6	8	16.5	20 22	3	5		
44	9	15.3	19 33	8.1	9	6.0	16.2	20 18	9.0	8	7.0	17.1	21 1	6	1.6		
45	5.1	9	20 15	5	π	2	8 20	59	4	9	2	7 21	42	10.0	7		
46	2	16.5	20 57	9	0.1	4	17.4	21 41	7	1.0	5	18.3	22 24	4	8		
47	4	17.2	21 41	9.3	2	5	18.1	22 24	10.1	1	7	19.0	23 7	8	9		
48	6	9	22 26	7	4	7	8 23	8	5	2	9	7 23	51	11.2	2.1		
49	8	18.6	23 12	10.1	5	9	19.5	23 54	9	4	8.1	20.4	24 36	6	2		
50	6.0	19.4	24 0	5	7	7.1	20.3	24 41	11.3	1.5	3	21.2	25 22	12.0	3		
51	3	20.2	24 49	9	9	4	21.1	25 30	7	7	6	22.0	26 10	4	4		
52	6	21.1	25 39	11.4	1.1	7	22.0	26 20	12.1	9	9	9 26	59	8	6		
53	9	22.0	26 31	9	2	8.0	9 27	11	6	2.0	9.2	23.8	27 50	13.3	8		
54	7.2	23.0	27 25	12.4	4	3	23.9	28 4	13.1	1	5	24.8	28 43	8	3.0		
55	5	24.0	28 20	9	5	6	24.9	28 59	6	3	8	25.8	29 37	14.3	1		
56	8	25.1	29 18	13.4	7	9	26.0	29 55	14.1	5	10.1	27.0	0 32	8	3		

POSTSCRIPT.

As the tabular spherical basis here built fails to cover a considerable zone near the equator, and figures are often wanted for latitudes less than 22°, the formula for their calculation is added and can be used by any one a little versed in trigonometry; and any part of the Table may also be tested thereby.

(1) To the R. A.* of the M. C. add 30°, 60°, or 90°, or so on, according to the place of the house in order from the meridian, which will give the oblique ascension of its cusp. Express this in distance, forward or backward, from φ 0 or \simeq 0, whichever be the nearer, and call it d . Call the ecliptic obliquity O .

Then, $\cos d \cot \text{pole} = \cot A$.

And the sum, or difference, of A and O (according as d measures from φ or \simeq) = B .

Then, $\sec B \cos A \tan d = \tan \text{long. required}$, to be reckoned from φ or \simeq as d was; unless B exceed 90°, when the longitude is reckoned from the opposite equinox, reversely.

For South latitude, first add 180° to the R. A. of the M. C., and proceed as above; but in the final result put opposite zodiacal signs for those found on the minor houses.

The poles below latitude 10° are given in the annexed extension to the equator of table D.

Lat.	11th and 3d H.	12th and 2d H.
0	0 0	0 0
1	0 20.0	0 40.0
4	1 20.1	2 40.2
7	2 20.7	4 40.8
10	3 21.9	6 42.4

(2) On the equator the previous formula becomes simply $\frac{\tan d}{\cos O} = \tan$

long., to be reckoned as above. Hence a better method than the other would be to compute the longitude for latitude 0, and then interpolate by trial between that and 22°, by aid of the tabular differences in each column. It can often be done by mere inspection. In this way any part of the Table can be completed to the equator with sufficient accuracy, as interpolation in that interval is easy.

For latitudes from 56° to 60°, follow precepts and formula of Art. (1). Interpolation for such high latitudes is not so simple, but should allow for second differences in using table D.

For latitude more than 60° special calculations must be made.

J. G. D.

July, 1903.

* To convert ecliptic longitude into R. A., express the long. in distance (forward) from the nearest cardinal point; then, if from φ or \simeq , $\tan \text{R. A.} = \tan \text{long.} \cos O$; if from ϖ or \mathcal{V} , use \cot instead of \tan .

Latitude 57° 8' N.

Sideraal 10(11)12 Ascen				3 3				Sideraal 10(11)12 Ascen				3 3				
Time.				Time.				Time.				Time.				
H.	M.	S.	°	H.	M.	S.	°	H.	M.	S.	°	H.	M.	S.	°	
13	0	20	14	28	21	210	°	13	51	38	°	14	03	62	4	
13	0	137	15	28	68	830	°	14	04	62	10	14	04	62	10	
13	7	20	22	16	29	35	421	13	59	18	32	7	20	18	7	
12	11	1	8	20	16	0	111	522	14	7	0	423	821	°	9	
12	14	41	42	17	0	48	624	14	7	0	423	821	°	9		
13	18	21	5	16	18	1	25	626	14	04	62	10	14	04	62	
13	23	3	6	11	8	3	726	14	04	62	10	14	04	62	10	
13	25	42	7	3	31	2	10	827	14	18	87	726	1023	26	13	
13	29	23	8	32	3	17	928	14	22	81	827	1124	1518	8	9	
13	33	4	9	32	3	32	3	6510	14	26	31	927	1235	41	6	
12	30	45	10	42	1	33	11	4	14	30	21	10	38	1325	54	18
12	37	11	6	52	5	11	12	2	14	34	17	12	39	1423	64	10
12	44	8	12	62	5	49	13	3	14	38	14	12	427	1527	74	11
12	47	60	13	72	6	37	14	6	14	43	11	11	12	46	8	12
12	51	32	14	72	7	61	6	1	14	46	9	11	12	46	8	12
12	55	14	16	82	5	45	16	7	14	50	9	11	12	46	8	12
12	58	16	18	92	8	24	17	8	14	54	7	16	12	46	8	12
13	0	17	10	92	9	8	18	10	14	58	4	17	12	46	8	12
13	0	18	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	19	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	20	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	21	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	22	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	23	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	24	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	25	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	26	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	27	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	28	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	29	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	30	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	31	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	32	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	33	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	34	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	35	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	36	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	37	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	38	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	39	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	40	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	41	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	42	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	43	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	44	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	45	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	46	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	47	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	48	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	49	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	50	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	51	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	52	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	53	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	54	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	55	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	56	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	57	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	58	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	59	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	60	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	61	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	62	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	63	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	64	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	65	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	66	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	67	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	68	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	69	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	70	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	71	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	72	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	73	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	74	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	75	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	76	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	77	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	78	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	79	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	80	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	81	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	82	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	83	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	84	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	85	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	86	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	87	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	88	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	89	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	90	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	91	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	92	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	93	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	94	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	95	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	96	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	97	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	98	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	99	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	100	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	101	11	102	9	49	13	3	14	58	4	17	12	46	8	12
13	0	102	11	102	9	49	13	3	14	58	4</					

TABLES OF HOUSES FOR

[illegible]

TABLES OF HOUSES FOR												Latitude 57° 29' N.											
TABLES OF HOUSES FOR												Latitude 57° 29' N.											
Sidereal	101112	1112	12	13	14	15	16	17	18	19	20	Sidereal	101112	1112	12	13	14	15	16	17	18	19	20
Time.	h	m	s	h	m	s	h	m	s	h	m	Time.	h	m	s	h	m	s	h	m	s	h	m
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0

TABLES OF HOUSES FOR												Latitude 57° 29' N.											
TABLES OF HOUSES FOR												Latitude 57° 29' N.											
Sidereal	101112	1112	12	13	14	15	16	17	18	19	20	Sidereal	101112	1112	12	13	14	15	16	17	18	19	20
Time.	h	m	s	h	m	s	h	m	s	h	m	Time.	h	m	s	h	m	s	h	m	s	h	m
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0

TABLES OF HOUSES FOR

[illegible]

TABLES OF HOUSES FOR
Latitude 59° 0' N.

[illegible]

